

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

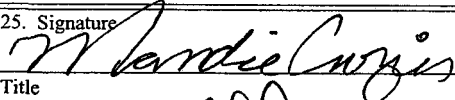

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-020252A
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. Jonah Unit
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Jonah Federal M-6-9-17
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43-013-33499
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NE/SW 1987' FSL 1906' FWL At proposed prod. zone NE/SW 2643' FSL 2533' FWL		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximatley 14.1 miles southeast of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area Sec. 6, T9S R17E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 2533' f/lse, 2637' f/unit	16. No. of Acres in lease 637.35	12. County or Parish Duchesne
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1302'	19. Proposed Depth 6200'	13. State UT
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5359' GL	22. Approximate date work will start* 2nd Quarter 2007	17. Spacing Unit dedicated to this well 20 Acres
		20. BLM/BIA Bond No. on file UTB000192
		23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- |                                                                                                                                                 |                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| 1. Well plat certified by a registered surveyor.                                                                                                | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.                                                                                                                             | 5. Operator certification.                                                                         |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 1/9/07
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 01-30-07
Title Office	ENVIRONMENTAL MANAGER	

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

Surf

580455X  
4434420Y  
40.058035  
-110.050834

Federal Approval of this  
Action is Necessary

B4L

581144X  
4434423Y  
40.059845  
-110.048590

RECEIVED

JAN 16 2007

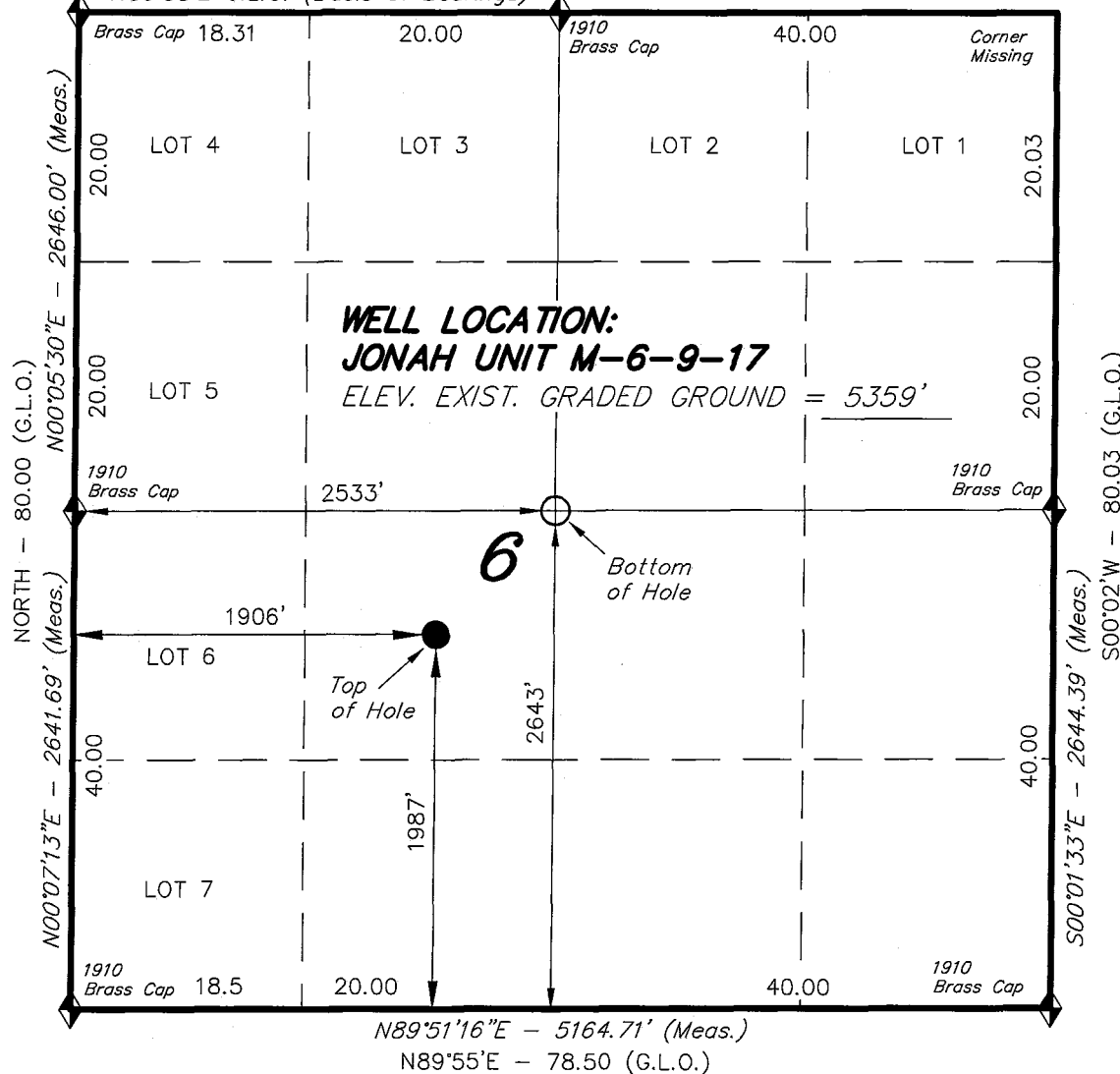
DIV. OF OIL, GAS & MINING

*T9S, R17E, S.L.B.&M.*

N89°58'E - 78.31 (G.L.O.)

2533.40' (Measured)

*N89°58'E G.L.O. (Basis of Bearings)*



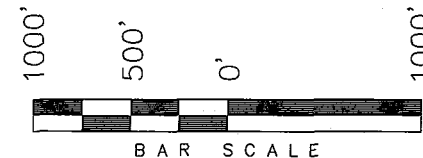
 = SECTION CORNERS LOCATED

BASIS OF ELEV;  
U.S.G.S. 7-1/2 min QUAD (MYTON SE)

JONAH UNIT M-6-9-17  
(Surface Location) NAD 83  
LATITUDE = 40° 03' 29.04"  
LONGITUDE = 110° 03' 05.61"

*NEWFIELD PRODUCTION COMPANY*

WELL LOCATION, JONAH UNIT M-6-9-17,  
LOCATED AS SHOWN IN THE NE 1/4 SW  
1/4 OF SECTION 6, T9S, R17E, S.L.B.&M.  
DUCHESNE COUNTY, UTAH.



**Note:**

1. The bottom of hole (M-6-9-17 NE/SW) bears N43°38'52"E 909.04' from the Top of Hole.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD WORK OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. No. 189377

STACY W.  
STEWART  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 122500  
STATE OF UTAH

**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

DATE SURVEYED:  
11-06-06

SURVEYED BY: D.G.

DATE DRAWN:  
11-15-06

DRAWN BY: F.T.M.

REVISÉ:

SCALE: 1" = 1000'

**NEWFIELD PRODUCTION COMPANY  
JONAH FEDERAL #M-6-9-17  
AT SURFACE: NE/SW SECTION 6, T9S, R17E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**DRILLING PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

**2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 2240'
Green River	2240'
Wasatch	6200'

**3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation 2240' – 6200' - Oil

**4. PROPOSED CASING PROGRAM**

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

**5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

Please refer to the Monument Butte Field SOP. See Exhibit "C".

**6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

Please refer to the Monument Butte Field SOP.

**7. AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Please refer to the Monument Butte Field SOP.

**8. TESTING, LOGGING AND CORING PROGRAMS:**

Please refer to the Monument Butte Field SOP.

**9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

**10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

Please refer to the Monument Butte Field SOP.

**NEWFIELD PRODUCTION COMPANY  
JONAH FEDERAL #M-6-9-17  
AT SURFACE: NE/SW SECTION 6, T9S, R17E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Newfield Production Company well location site Jonah Federal #M-6-9-17 located in the NE 1/4 SW 1/4 Section 6, T9S, R17E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 8.9 miles  $\pm$  to it's junction with an existing dirt road to the southwest; proceed southwesterly - 1.7 miles  $\pm$  to it's junction with an existing road to the southeast; proceed southeasterly - 0.1 miles  $\pm$  to the existing Allen Federal 23-6 well location.

**2. PLANNED ACCESS ROAD**

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing Allen Federal 23-6 well pad. See attached Topographic Map "B".

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

The proposed well will be drilled directionally off of the Allen Federal 23-6 well pad. There will be a pumping unit and a short flow line added to the tank battery for the proposed Jonah Federal M-6-9-17. All permanent surface equipment will be painted Carlsbad Canyon.

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

**5. LOCATION AND TYPE OF WATER SUPPLY**

Please refer to the Monument Butte Field SOP. See Exhibit "A".

**6. SOURCE OF CONSTRUCTION MATERIALS**

The proposed Jonah Federal M-6-9-17 will be drilled off of the existing Allen Federal 23-6 well pad. No additional surface disturbance will be required for this location.

**7. METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

**8. ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management (Proposed location and access roads leading to).

12. **OTHER ADDITIONAL INFORMATION**

Newfield Production Company requests 970' of disturbed area in Lease UTU-020252A to allow for construction of the proposed water lines. It is proposed that the disturbed area will be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line. Refer to Topographic Map "C." For a ROW plan of development, please refer to the Monument Butte Field SOP.

**Water Disposal**

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Threatened, Endangered, And Other Sensitive Species**

None for the proposed Jonah Federal #M-6-9-17.

**Reserve Pit Liner**

A 12 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

**Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Shadscale	<i>Atriplex Centertifolia</i>	6 lbs/acre
Galletta Grass	<i>Hilaria Jamesii</i>	6 lbs/acre

**Details of the On-Site Inspection**

The proposed Jonah Federal #M-6-9-17 was on-sited on 12/8/06. The following were present; Dave Allred (Newfeild Production), Kim Kettle (Newfeild Production), Chuck MacDonald (Bureau of Land Management), and Brandon McDonald (Bureau of Landmanagement). Weather conditions were clear and ground cover was 100% open.

13. **LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**  
**Representative**

Name: Dave Allred  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

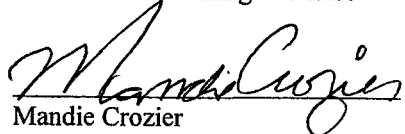
Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #M-6-9-17 Section 6, Township 9S, Range 17E: Lease UTU-020252A Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by US Specialty Insurance #B001832.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

1/9/07

Date



Mandie Crozier

Regulatory Specialist

Newfield Production Company

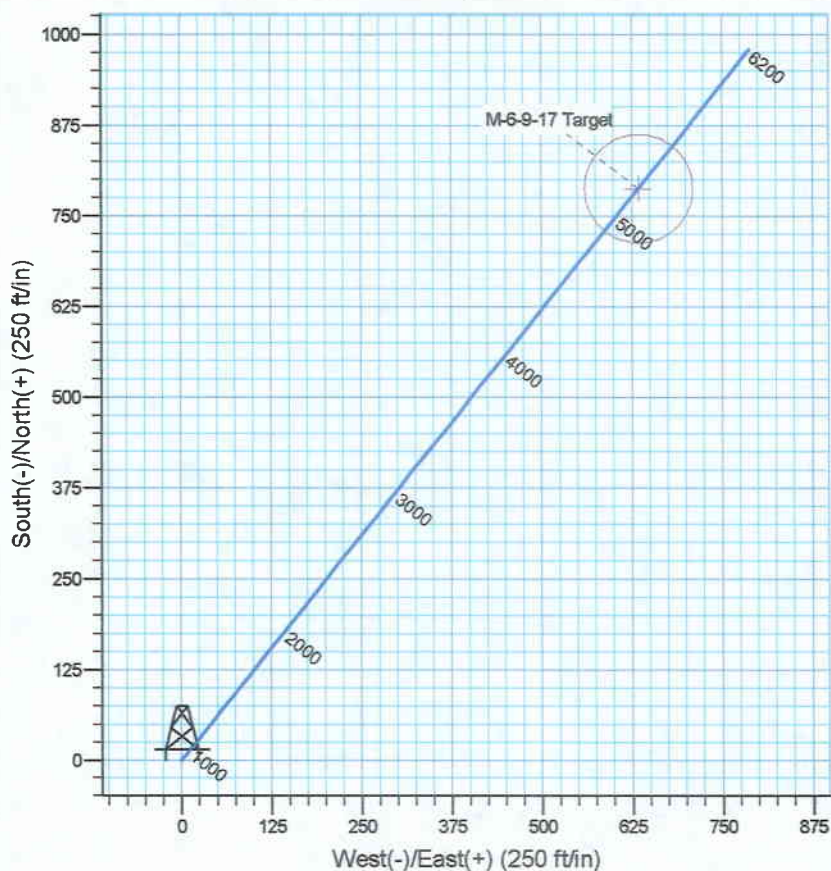
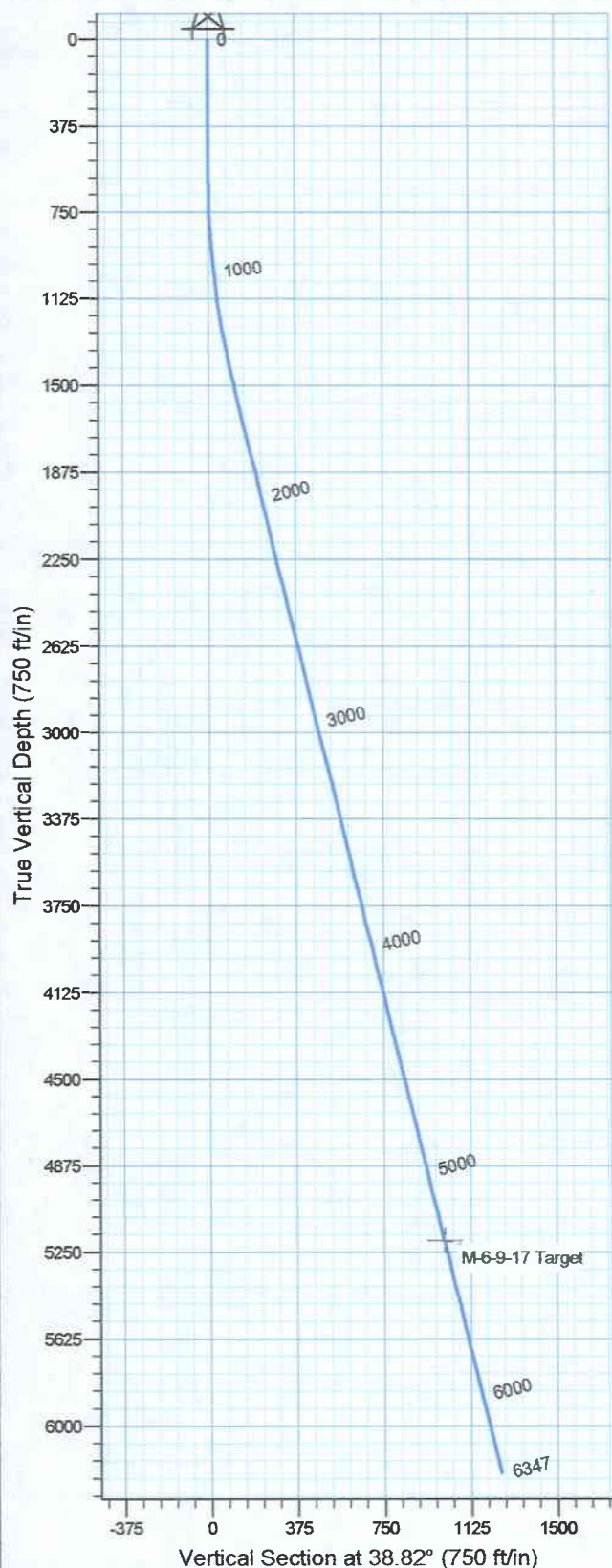


Azimuths to True North  
Magnetic North: 11.88°

Magnetic Field  
Strength: 52743.8nT  
Dip Angle: 65.93°  
Date: 2006-12-15  
Model: IGRF2005-10

WELL DETAILS: Jonah Unit M-6-9-17

GL 5359' & RKB 12' @ 5371.00ft 5359.00  
+N-S +E-W Northing Easting Latitude Longitude  
0.00 0.00 7193171.59 2045820.92 40° 3' 29.040 N 110° 3' 5.610 W



FORMATION TOP DETAILS

Formation data is available

Plan: Plan #1 (Jonah Unit M-6-9-17/OH)

Created By: Julie Cruse Date: 2006-12-15

PROJECT DETAILS: Duchesne County, UT

Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: Utah Central Zone

System Datum: Mean Sea Level  
Local North: No north reference data is available

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	
3	1515.17	13.73	38.82	1506.44	85.01	68.40	1.50	38.82	109.11	
4	317.34	13.73	38.82	5200.00	788.00	634.00	0.00	0.00	1011.39	M-6-9-17 Target
5	346.74	13.73	38.82	6200.00	978.33	787.13	0.00	0.00	1255.67	

# **Newfield Exploration Co.**

**Duchesne County, UT**

**Jonah Unit M-6-9-17**

**Jonah Unit M-6-9-17**

**OH**

**Plan: Plan #1**

## **Standard Planning Report**

**15 December, 2006**

# Scientific Drilling

## Planning Report

**Database:** EDM 2003.14.1.0 Single User Db  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT  
**Site:** Jonah Unit M-6-9-17  
**Well:** Jonah Unit M-6-9-17  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Jonah Unit M-6-9-17  
**TVD Reference:** GL 5359' & RKB 12' @ 5371.00ft  
**MD Reference:** GL 5359' & RKB 12' @ 5371.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

<b>Project</b>	Duchesne County, UT		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		

<b>Site</b>		Jonah Unit M-6-9-17, Sec 6 T9S R17E			
<b>Site Position:</b>		<b>Northing:</b>	7,193,171.59 ft	<b>Latitude:</b>	40° 3' 29.040 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,045,820.92 ft	<b>Longitude:</b>	110° 3' 5.610 W
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	in	<b>Grid Convergence:</b>	0.93 °

<b>Well</b>	Jonah Unit M-6-9-17, 1987' FSL, 1906' FWL					
<b>Well Position</b>	<b>+N/-S</b>	0.00 ft	<b>Northing:</b>	7,193,171.59 ft	<b>Latitude:</b>	40° 3' 29.040 N
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b>	2,045,820.92 ft	<b>Longitude:</b>	110° 3' 5.610 W
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b>	5,359.00 ft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2005-10	2006-12-15	11.88	65.93	52,744

<b>Design</b>	Plan #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	38.82

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,515.17	13.73	38.82	1,506.44	85.01	68.40	1.50	1.50	0.00	38.82	
5,317.34	13.73	38.82	5,200.00	788.00	634.00	0.00	0.00	0.00	0.00	M-6-9-17 Target
6,346.74	13.73	38.82	6,200.00	978.33	787.13	0.00	0.00	0.00	0.00	

# Scientific Drilling

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**Company:** Newfield Exploration Co.  
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**TVD Reference:** GL 5359' & RKB 12' @ 5371.00ft  
**MD Reference:** GL 5359' & RKB 12' @ 5371.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	1.50	38.82	699.99	1.02	0.82	1.31	1.50	1.50	0.00
800.00	3.00	38.82	799.91	4.08	3.28	5.23	1.50	1.50	0.00
900.00	4.50	38.82	899.69	9.17	7.38	11.77	1.50	1.50	0.00
1,000.00	6.00	38.82	999.27	16.30	13.12	20.92	1.50	1.50	0.00
1,100.00	7.50	38.82	1,098.57	25.46	20.48	32.68	1.50	1.50	0.00
1,200.00	9.00	38.82	1,197.54	36.64	29.48	47.03	1.50	1.50	0.00
1,300.00	10.50	38.82	1,296.09	49.83	40.10	63.96	1.50	1.50	0.00
1,400.00	12.00	38.82	1,394.16	65.03	52.32	83.47	1.50	1.50	0.00
1,500.00	13.50	38.82	1,491.70	82.23	66.16	105.54	1.50	1.50	0.00
1,515.17	13.73	38.82	1,506.44	85.01	68.40	109.11	1.50	1.50	0.00
1,600.00	13.73	38.82	1,588.85	100.70	81.02	129.24	0.00	0.00	0.00
1,700.00	13.73	38.82	1,685.99	119.18	95.89	152.97	0.00	0.00	0.00
1,800.00	13.73	38.82	1,783.13	137.67	110.77	176.70	0.00	0.00	0.00
1,900.00	13.73	38.82	1,880.28	156.16	125.64	200.43	0.00	0.00	0.00
2,000.00	13.73	38.82	1,977.42	174.65	140.52	224.16	0.00	0.00	0.00
2,100.00	13.73	38.82	2,074.56	193.14	155.40	247.89	0.00	0.00	0.00
2,200.00	13.73	38.82	2,171.71	211.63	170.27	271.62	0.00	0.00	0.00
2,300.00	13.73	38.82	2,268.85	230.12	185.15	295.35	0.00	0.00	0.00
2,400.00	13.73	38.82	2,365.99	248.61	200.02	319.08	0.00	0.00	0.00
2,500.00	13.73	38.82	2,463.14	267.10	214.90	342.82	0.00	0.00	0.00
2,600.00	13.73	38.82	2,560.28	285.59	229.77	366.55	0.00	0.00	0.00
2,700.00	13.73	38.82	2,657.42	304.08	244.65	390.28	0.00	0.00	0.00
2,800.00	13.73	38.82	2,754.57	322.56	259.53	414.01	0.00	0.00	0.00
2,900.00	13.73	38.82	2,851.71	341.05	274.40	437.74	0.00	0.00	0.00
3,000.00	13.73	38.82	2,948.86	359.54	289.28	461.47	0.00	0.00	0.00
3,100.00	13.73	38.82	3,046.00	378.03	304.15	485.20	0.00	0.00	0.00
3,200.00	13.73	38.82	3,143.14	396.52	319.03	508.93	0.00	0.00	0.00
3,300.00	13.73	38.82	3,240.29	415.01	333.90	532.66	0.00	0.00	0.00
3,400.00	13.73	38.82	3,337.43	433.50	348.78	556.39	0.00	0.00	0.00
3,500.00	13.73	38.82	3,434.57	451.99	363.66	580.12	0.00	0.00	0.00
3,600.00	13.73	38.82	3,531.72	470.48	378.53	603.85	0.00	0.00	0.00
3,700.00	13.73	38.82	3,628.86	488.97	393.41	627.58	0.00	0.00	0.00
3,800.00	13.73	38.82	3,726.00	507.46	408.28	651.31	0.00	0.00	0.00
3,900.00	13.73	38.82	3,823.15	525.95	423.16	675.04	0.00	0.00	0.00
4,000.00	13.73	38.82	3,920.29	544.43	438.04	698.77	0.00	0.00	0.00
4,100.00	13.73	38.82	4,017.43	562.92	452.91	722.50	0.00	0.00	0.00
4,200.00	13.73	38.82	4,114.58	581.41	467.79	746.23	0.00	0.00	0.00
4,300.00	13.73	38.82	4,211.72	599.90	482.66	769.97	0.00	0.00	0.00
4,400.00	13.73	38.82	4,308.86	618.39	497.54	793.70	0.00	0.00	0.00
4,500.00	13.73	38.82	4,406.01	636.88	512.41	817.43	0.00	0.00	0.00
4,600.00	13.73	38.82	4,503.15	655.37	527.29	841.16	0.00	0.00	0.00
4,700.00	13.73	38.82	4,600.30	673.86	542.17	864.89	0.00	0.00	0.00
4,800.00	13.73	38.82	4,697.44	692.35	557.04	888.62	0.00	0.00	0.00
4,900.00	13.73	38.82	4,794.58	710.84	571.92	912.35	0.00	0.00	0.00
5,000.00	13.73	38.82	4,891.73	729.33	586.79	936.08	0.00	0.00	0.00
5,100.00	13.73	38.82	4,988.87	747.82	601.67	959.81	0.00	0.00	0.00
5,200.00	13.73	38.82	5,086.01	766.30	616.54	983.54	0.00	0.00	0.00

# Scientific Drilling

## Planning Report

**Database:** EDM 2003.14.1.0 Single User Db  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT  
**Site:** Jonah Unit M-6-9-17  
**Well:** Jonah Unit M-6-9-17  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Jonah Unit M-6-9-17  
**TVD Reference:** GL 5359' & RKB 12' @ 5371.00ft  
**MD Reference:** GL 5359' & RKB 12' @ 5371.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.00	13.73	38.82	5,183.16	784.79	631.42	1,007.27	0.00	0.00	0.00
5,317.34	13.73	38.82	5,200.00	788.00	634.00	1,011.39	0.00	0.00	0.00
<b>M-6-9-17 Target</b>									
5,400.00	13.73	38.82	5,280.30	803.28	646.30	1,031.00	0.00	0.00	0.00
5,500.00	13.73	38.82	5,377.44	821.77	661.17	1,054.73	0.00	0.00	0.00
5,600.00	13.73	38.82	5,474.59	840.26	676.05	1,078.46	0.00	0.00	0.00
5,700.00	13.73	38.82	5,571.73	858.75	690.92	1,102.19	0.00	0.00	0.00
5,800.00	13.73	38.82	5,668.87	877.24	705.80	1,125.92	0.00	0.00	0.00
5,900.00	13.73	38.82	5,766.02	895.73	720.68	1,149.65	0.00	0.00	0.00
6,000.00	13.73	38.82	5,863.16	914.22	735.55	1,173.38	0.00	0.00	0.00
6,100.00	13.73	38.82	5,960.30	932.71	750.43	1,197.11	0.00	0.00	0.00
6,200.00	13.73	38.82	6,057.45	951.20	765.30	1,220.85	0.00	0.00	0.00
6,300.00	13.73	38.82	6,154.59	969.69	780.18	1,244.58	0.00	0.00	0.00
6,346.74	13.73	38.82	6,200.00	978.33	787.13	1,255.67	0.00	0.00	0.00

### Targets

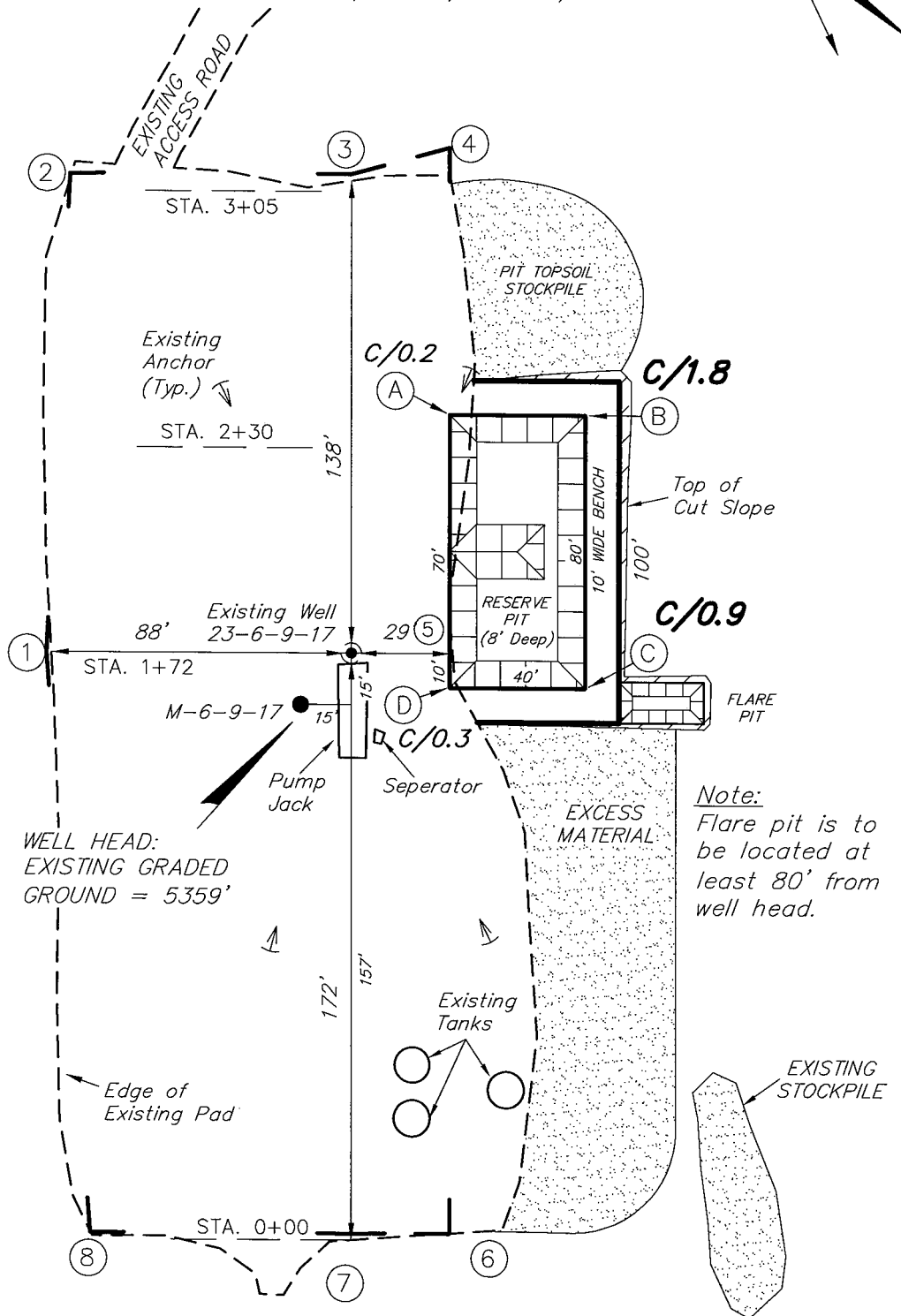
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
M-6-9-17 Target - plan hits target - Circle (radius 75.00)	0.00	0.00	5,200.00	788.00	634.00	7,193,969.75	2,046,442.08	40° 3' 36.828 N	110° 2' 57.455 W

# NEWFIELD PRODUCTION COMPANY

JONAH UNIT M-6-9-17 (Proposed Well)

JONAH UNIT 23-6-9-17 (Existing Well)

Pad Location: SESW Section 6, T9S, R17E, S.L.B.&M.



SURVEYED BY: D.G.

SCALE: 1" = 50'

DRAWN BY: T.C.J.

DATE: 11-15-06

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

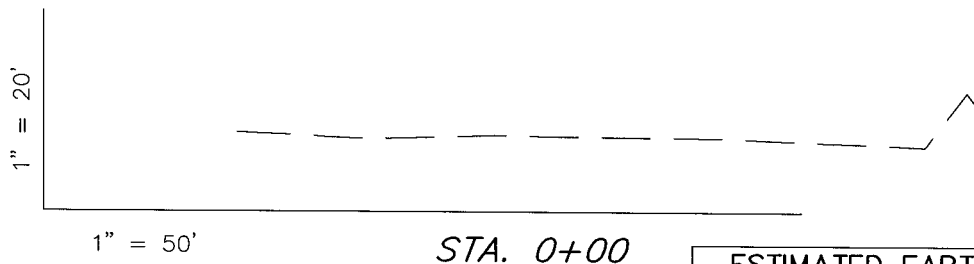
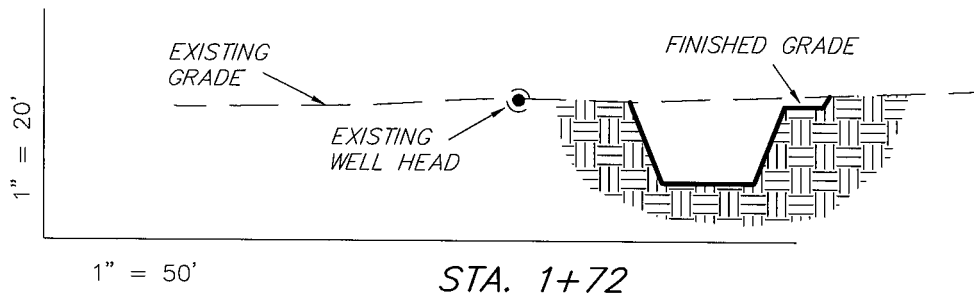
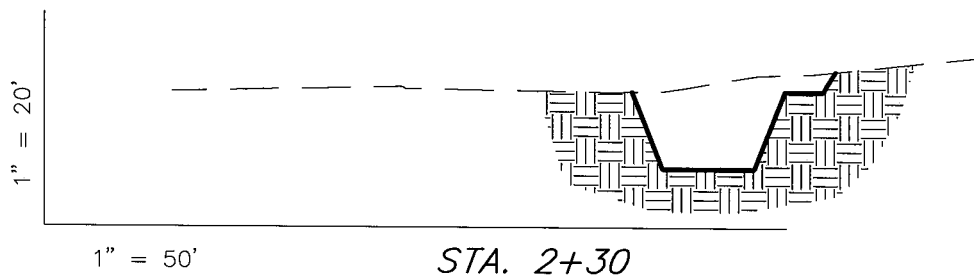
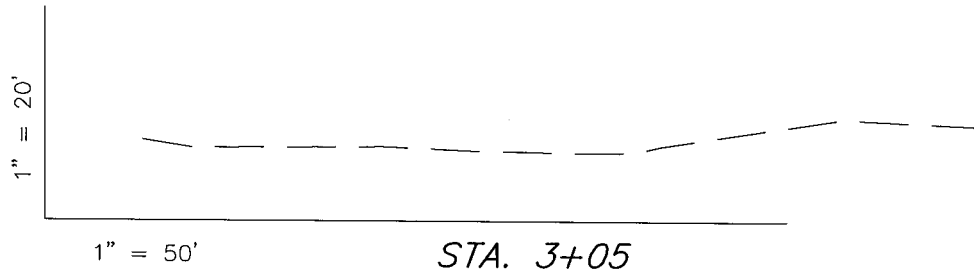
(435) 781-2501

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

JONAH UNIT M-6-9-17 (Proposed Well)

JONAH UNIT 23-6-9-17 (Existing Well)



NOTE:  
UNLESS OTHERWISE NOTED  
CUT SLOPES ARE AT 1:1  
FILL SLOPES ARE AT 1.5:1

### ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	100	20	Topsoil is not included in Pad Cut	80
PIT	640	0		640
TOTALS	740	20	130	720

SURVEYED BY: D.G.

SCALE: 1" = 50'

DRAWN BY: T.C.J.

DATE: 11-15-06

**Tri State**  
Land Surveying, Inc.

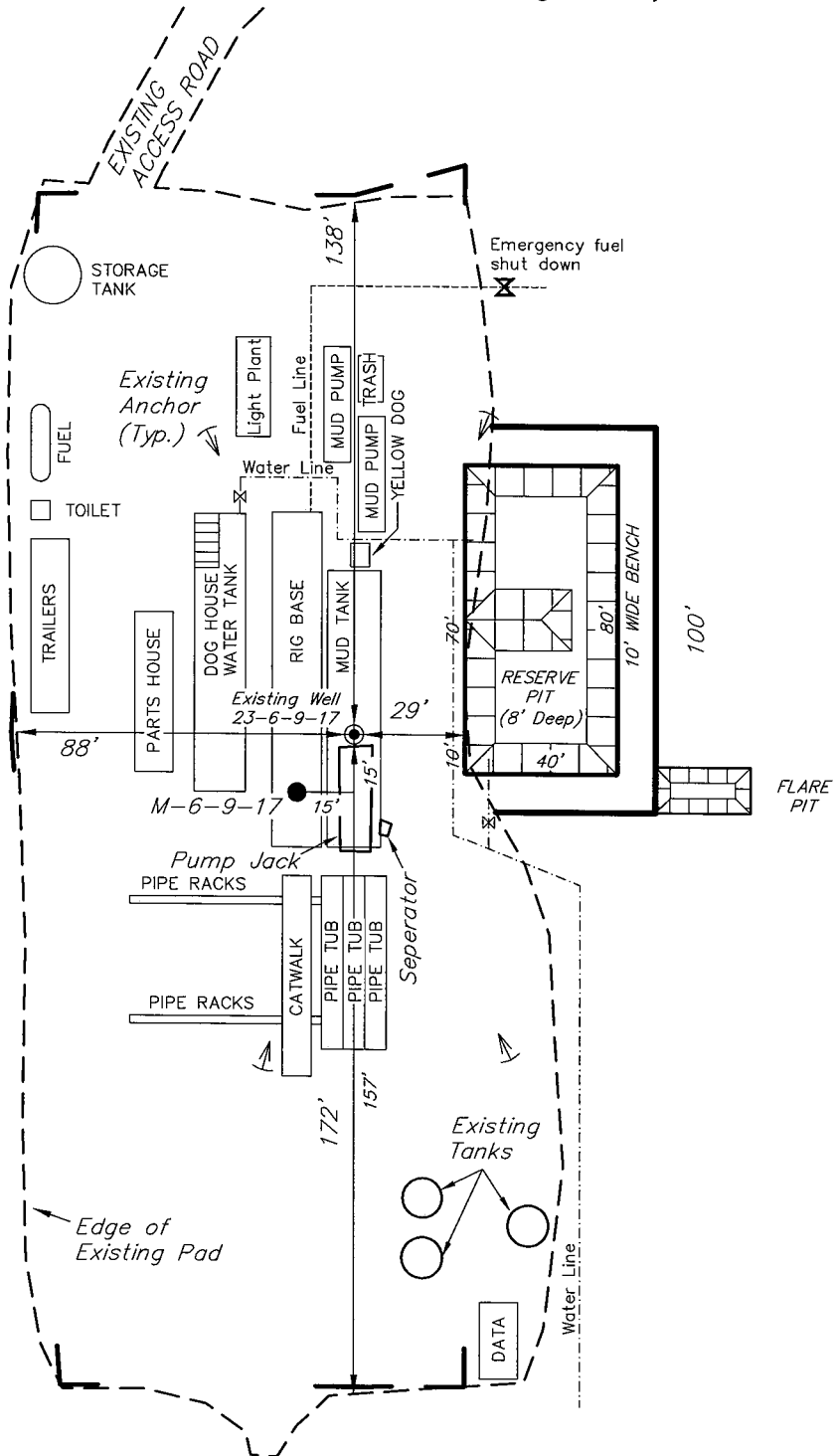
(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

JONAH UNIT M-6-9-17 (Proposed Well)  
JONAH UNIT 23-6-9-17 (Existing Well)



REVISED:

SURVEYED BY: D.G.

SCALE: 1" = 50'

DRAWN BY: T.C.J.

DATE: 11-15-06

Tri State  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501

# Newfield Production Company Proposed Site Facility Diagram

Jonah Federal M-6-9-17

From the existing 23-6-9-17 Location

NE/SW Sec. 6 T9S, 17E

Duchesne County, Utah

UTU-020252A

Site Security Plan is held at the Pleasant Valley  
Office, Duchesne County Utah

## Production Phase:

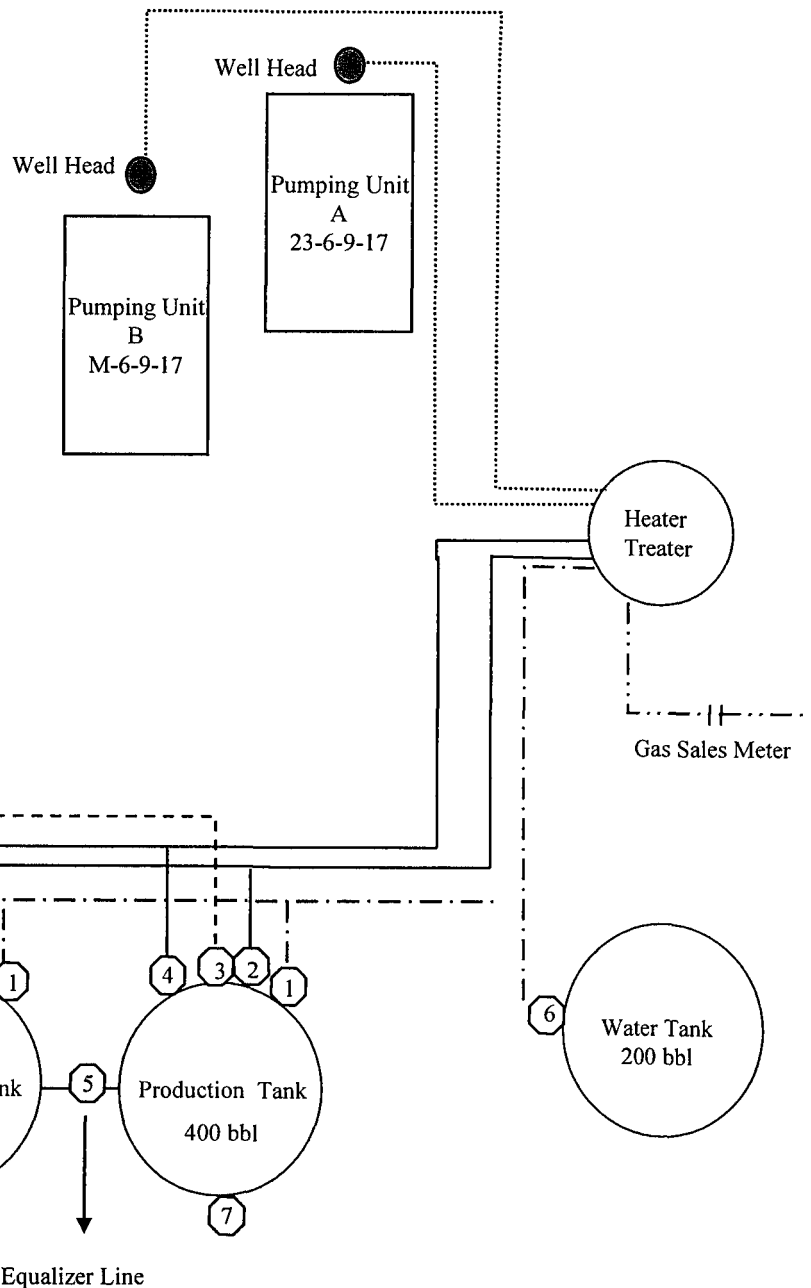
- 1) Valves 1, 3, 6, and 7 sealed closed
- 2) Valves 2, 4, and 5 sealed open

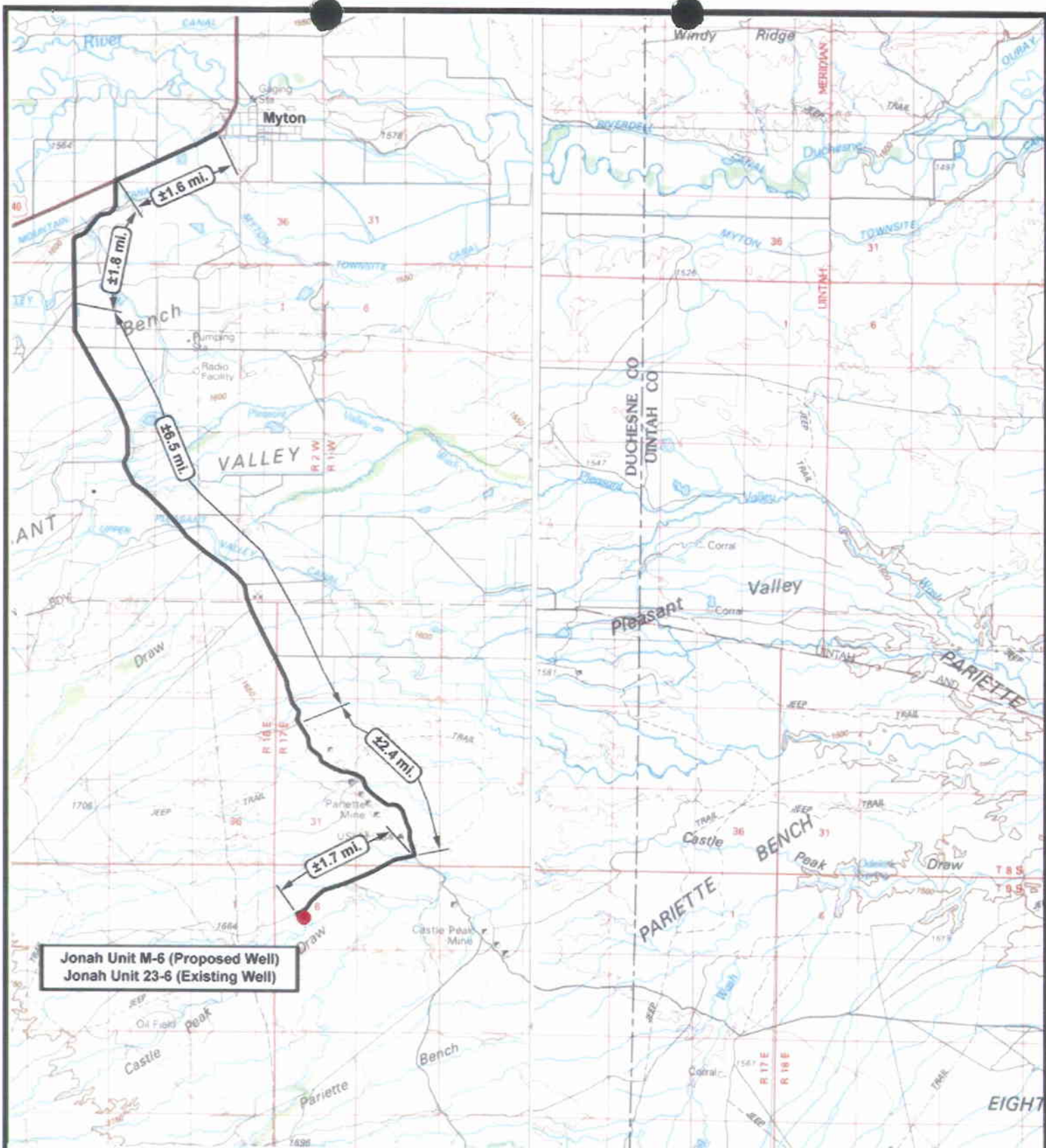
## Sales Phase:

- 1) Valves 1, 2, 4, 5, and 7 sealed closed
- 2) Valves 3 and 6 open

## Draining Phase:

- 1) Valves 1 and 6 open





Jonah Unit M-6 (Proposed Well)  
Jonah Unit 23-6 (Existing Well)



**NEWFIELD**  
Exploration Company

**Jonah Unit M-6-9-17 (Proposed Well)**  
**Jonah Unit 23-6-9-17 (Existing Well)**  
Pad Location: NESW SEC. 6, T9S, R17E, S.L.B.&M.

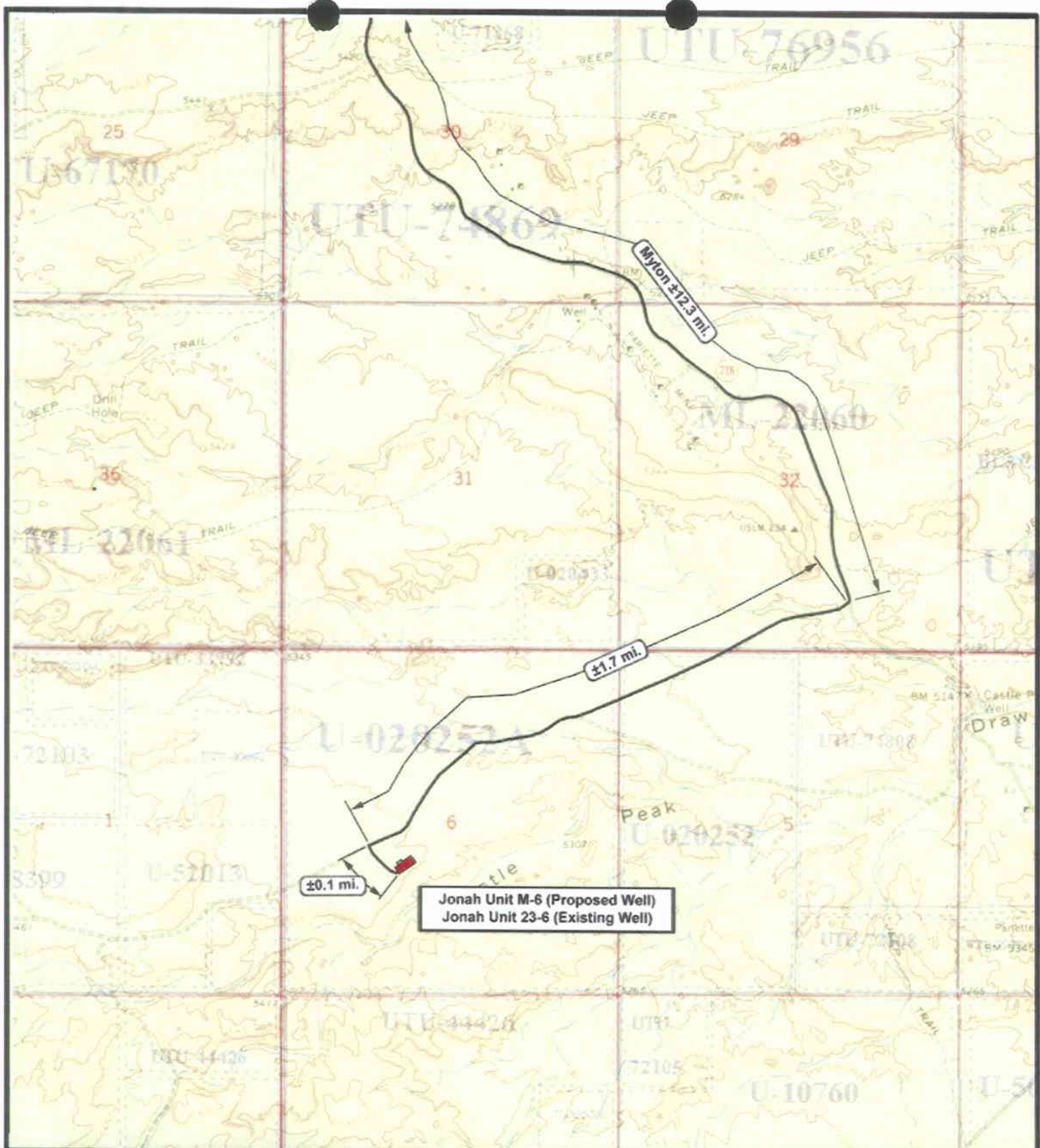


**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000  
DRAWN BY: mw  
DATE: 11-16-2006

**Legend**  
Existing Road

**TOPOGRAPHIC MAP**  
**"A"**



Jonah Unit M-6 (Proposed Well)  
Jonah Unit 23-6 (Existing Well)

**NEWFIELD**  
Exploration Company

**Jonah Unit M-6-9-17 (Proposed Well)**  
**Jonah Unit 23-6-9-17 (Existing Well)**  
Pad Location: NESW SEC. 6, T9S, R17E, S.L.B.&M.



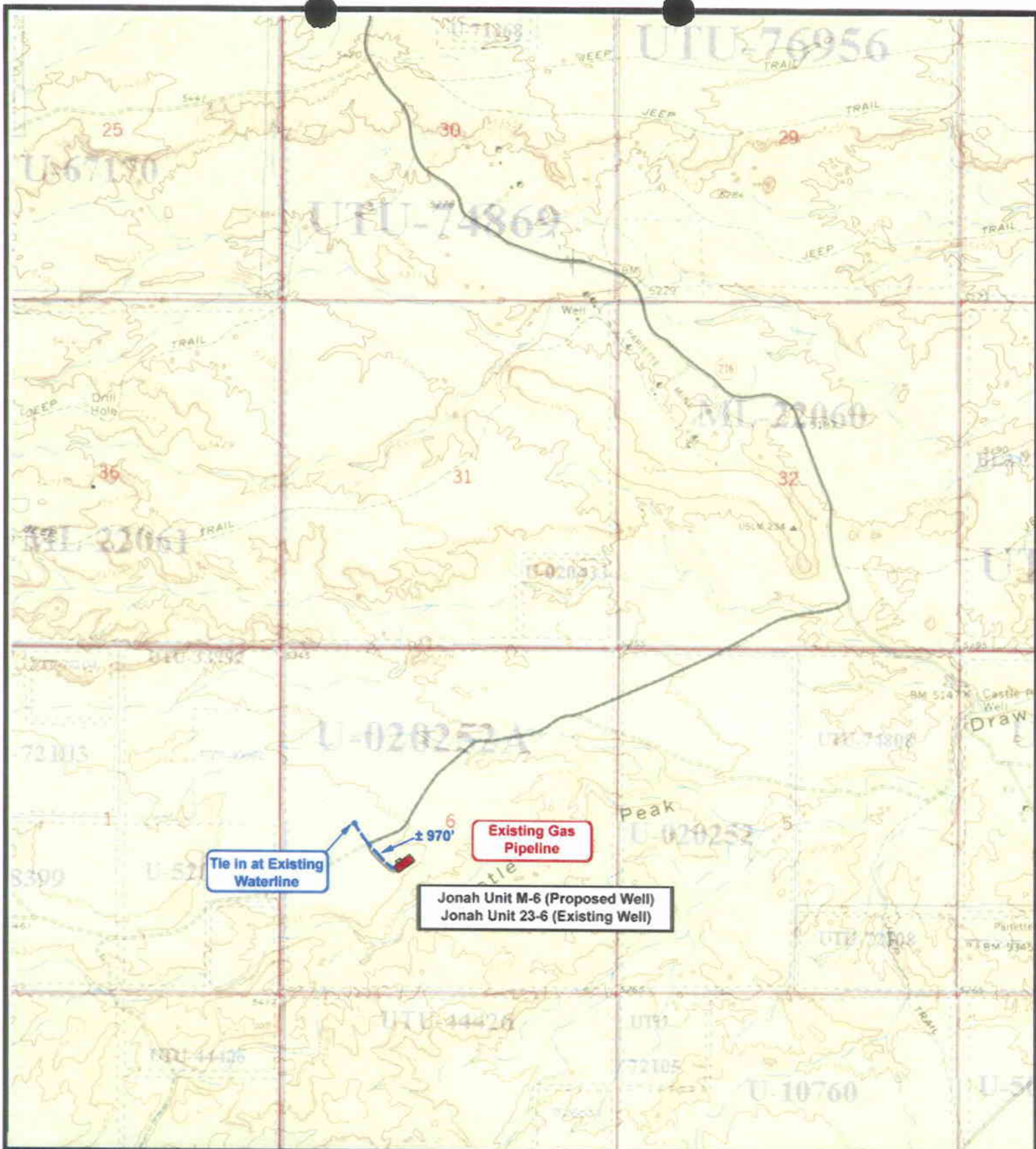
**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 11-16-2006

**Legend**

Existing Road

**TOPOGRAPHIC MAP**  
**"B"**



**NEWFIELD**  
Exploration Company

**Jonah Unit M-6-9-17 (Proposed Well)**  
**Jonah Unit 23-6-9-17 (Existing Well)**  
 Pad Location: NESW SEC. 6, T9S, R17E, S.L.B.&M.



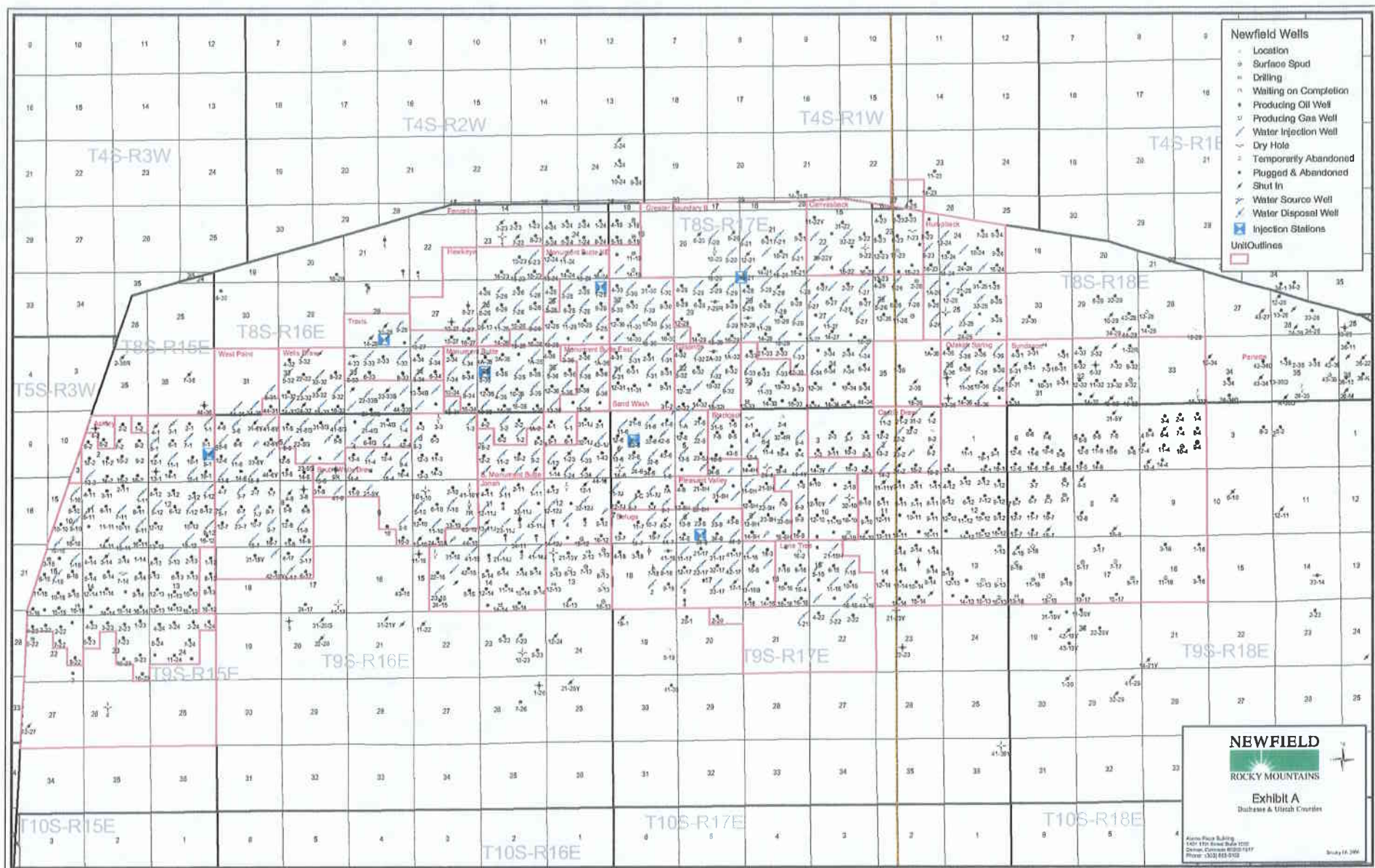
**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

**SCALE: 1" = 2,000'**  
**DRAWN BY: mw**  
**DATE: 11-16-2006**

**Legend**

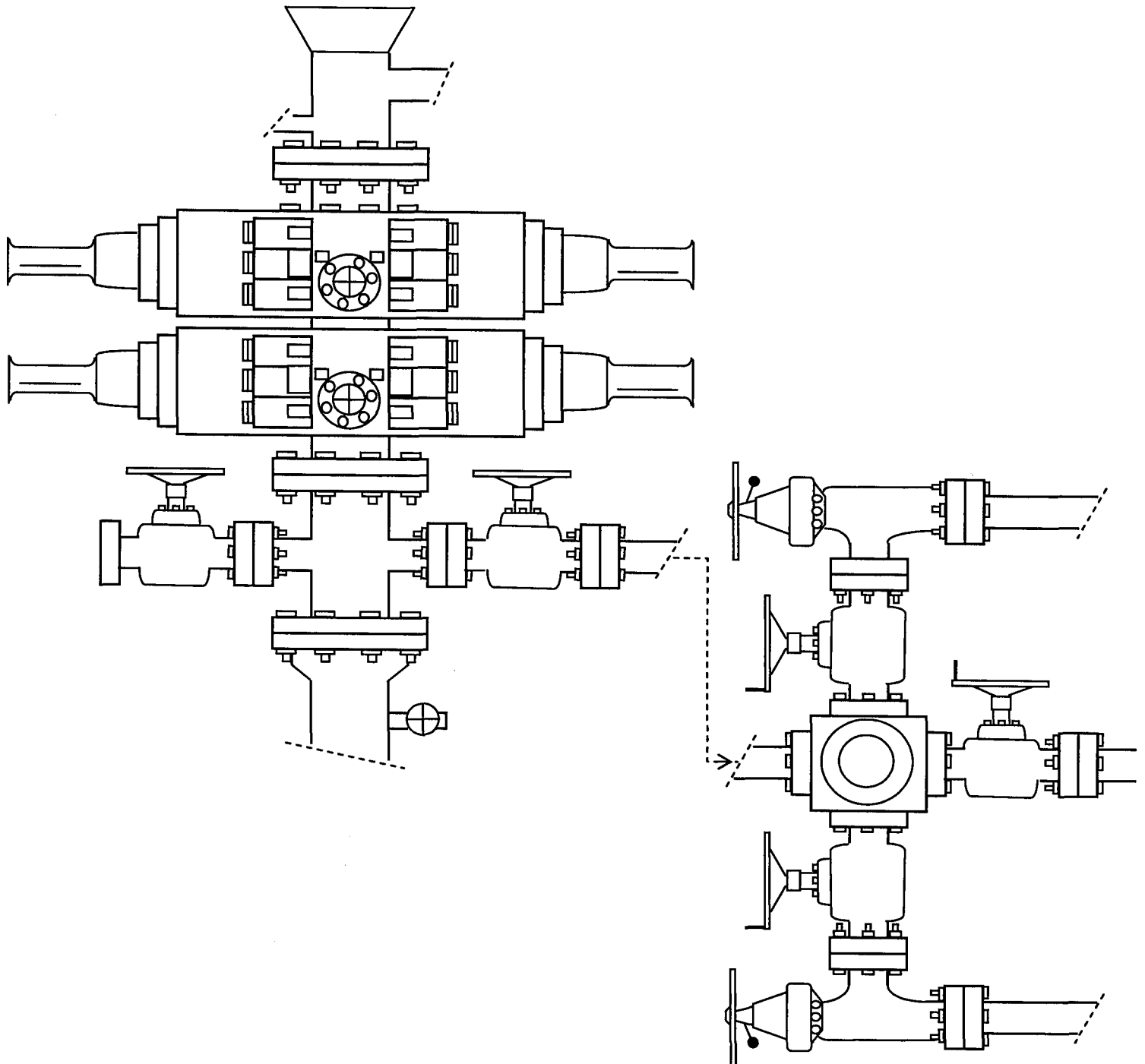
- Roads
- Proposed Water Line

**TOPOGRAPHIC MAP**  
**"C"**



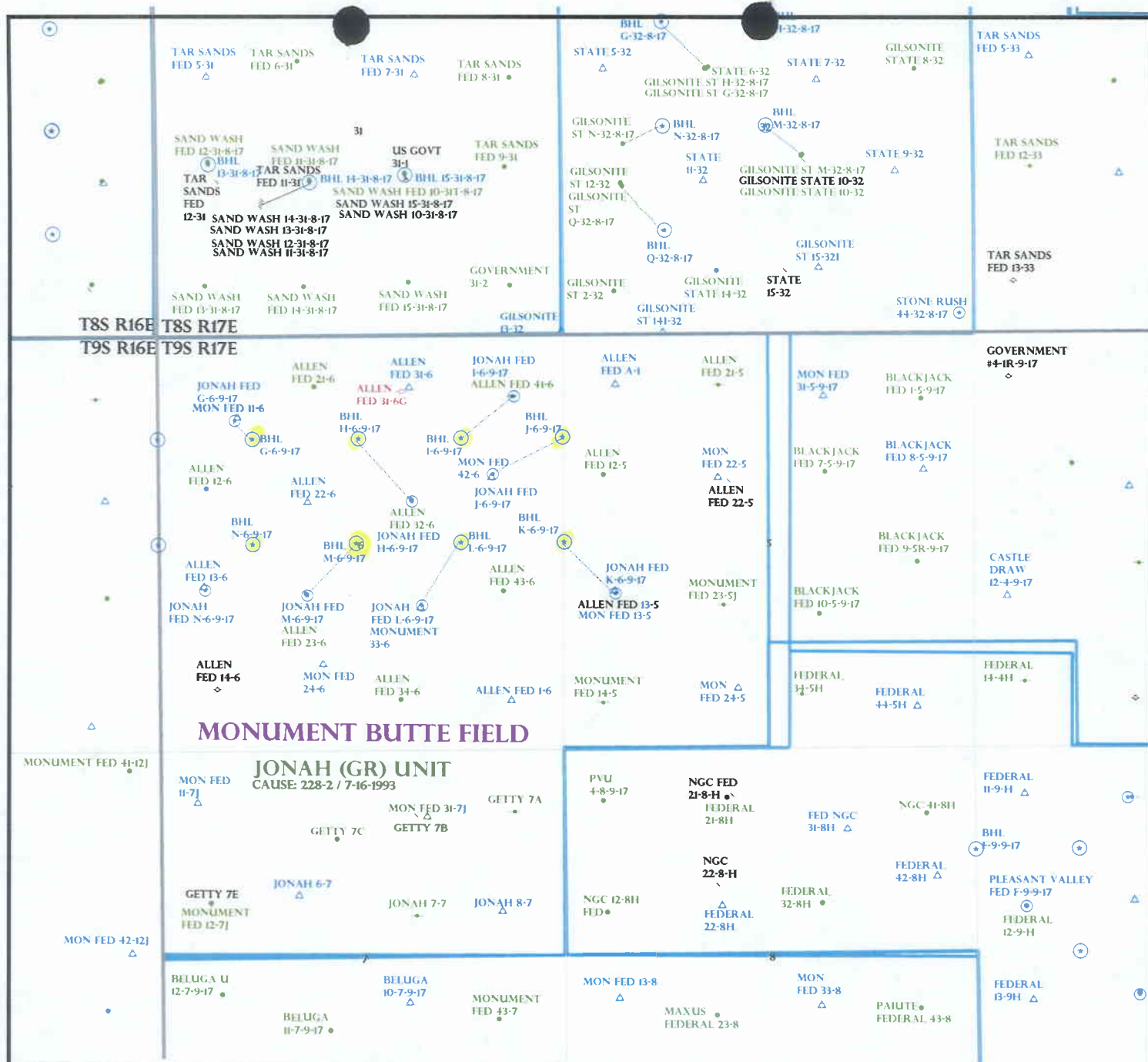


## Blowout Prevention Equipment Systems



**EXHIBIT C**

1- Federal Approval



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 6 T.9S R.17E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

CAUSE: 228-2 / 7-16-1993

**Field Status**

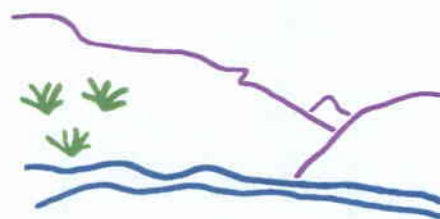
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

**Unit Status**

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

#### Wells Status

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING



Utah Oil Gas and Mining



PREPARED BY: DIANA MASON  
DATE: 19-JANUARY-2007

# NEWFIELD



January 17, 2007

Ms. Diana Mason  
State of Utah, Div. of Oil, Gas and Mining  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

Re: Directional Drilling R649-3-11  
Jonah Unit UTU-72086A  
Various Wells & Locations (See Attached)  
Duchesne County, Utah

Dear Ms.Mason:

Pursuant to the filing of Newfield Production Company's (hereinafter "NPC") Applications for Permits to Drill dated 01/09/07 (copies enclosed herewith) which concern the wells described on the attached Exhibit, NPC is hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to Directional Drilling.

All of these drillsite locations are located within the boundaries of the Jonah Unit UTU-72086A. NPC is permitting these wells as directional wells in order to minimize surface disturbance. By locating the wells at the surface locations described and directionally drilling from these locations, NPC will be able to utilize the existing the existing roads and pipelines in the area.

Furthermore, NPC hereby certifies that NPC is the Jonah Unit Operator and all lands within 460 feet of each of the entire directional well bores are within the Jonah Unit.

Therefore, based on the above stated information NPC requests that the permits be granted pursuant to R649-3-11. Thank you for your consideration in this matter.

Sincerely,

**Newfield Production Company**

Rhonda Deimer  
Land Associate

Enclosures

**RECEIVED**

**JAN 22 2007**

**DIV. OF OIL, GAS & MINING**

**DIRECTIONAL DRILLING R649-3-11 WELL EXHIBIT**  
**JONAH UNIT UTU-72086A**  
**DUCHESNE COUNTY, UTAH**

Jonah Federal G-6-9-17

BLM Lease #s U-020252A (surface & bottomhole)  
1085' FNL, 990' FWL (at surface)  
1322' FNL, 1212' FWL (bottomhole)  
Section 6-T9S-R17E

Jonah Federal H-6-9-17

BLM Lease #s U-020252A (surface & bottomhole)  
2122' FNL, 1938' FEL (at surface)  
1320' FNL, 2622' FEL (bottomhole)  
Section 6-T9S-R17E

Jonah Federal I-6-9-17

BLM Lease #s U-020252A (surface & bottomhole)  
778' FNL, 627' FEL (at surface)  
1319' FNL, 1311' FEL (bottomhole)  
Section 6-T9S-R17E

Jonah Federal J-6-9-17

BLM Lease #s U-020252A (surface & bottomhole)  
1784' FNL, 900' FEL (at surface)  
1317' FNL, 0' FEL (bottomhole)  
Section 6-T9S-R17E

Jonah Federal K-6-9-17

BLM Lease #s U-020252 (surface) and U-020252A (bottomhole)  
1977' FSL, 664' FWL of Section 5-9S-17E (at surface)  
2644' FSL, 0' FEL of Section 6-9S-17E (bottomhole)  
Section 6-T9S-R17E

Jonah Federal L-6-9-17

BLM Lease #s U-020252A (surface & bottomhole)  
1846' FSL, 1813' FEL (at surface)  
2644' FSL, 1313' FEL (bottomhole)  
Section 6-T9S-R17E

Jonah Federal M-6-9-17

BLM Lease #s U-020252A (surface & bottomhole)  
1987' FSL, 1906' FWL (at surface)  
2643' FSL, 2533' FWL (bottomhole)  
Section 6-T9S-R17E

Jonah Federal N-6-9-17

BLM Lease #s U-020252A (surface & bottomhole)  
2060' FSL, 598' FWL (at surface)  
2642' FSL, 1213' FWL (bottomhole)  
Section 6-T9S-R17E

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

### IN REPLY REFER TO:

3160  
(UT-922)

January 24, 2007

### Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2007 Plan of Development Jonah Unit, Duchesne County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2007 within the Jonah Unit, Duchesne County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-013-33493	Jonah Fed G-6-9-17	Sec 6 T09S R17E 1085 FNL 0990 FWL
	BHL Sec 6 T09S R17E 1322	FNL 1212 FWL
43-013-33494	Jonah Fed H-6-9-17	Sec 6 T09S R17E 2122 FNL 1938 FEL
	BHL Sec 6 T09S R17E 1320	FNL 2622 FEL
43-013-33495	Jonah Fed I-6-9-17	Sec 6 T09S R17E 0778 FNL 0627 FEL
	BHL Sec 6 T09S R17E 1319	FNL 1311 FEL
43-013-33496	Jonah Fed J-6-9-17	Sec 6 T09S R17E 1784 FNL 0900 FEL
	BHL Sec 6 T09S R17E 1317	FNL 0000 FEL
43-013-33497	Jonah Fed K-6-9-17	Sec 5 T09S R17E 1977 FSL 0664 FWL
	BHL Sec 6 T09S R17E 2644	FSL 0000 FEL
43-013-33498	Jonah Fed L-6-9-17	Sec 6 T09S R17E 1846 FSL 1813 FEL
	BHL Sec 6 T09S R17E 2644	FSL 1313 FEL
43-013-33499	Jonah Fed M-6-9-17	Sec 6 T09S R17E 1987 FSL 1906 FWL
	BHL Sec 6 T09S R17E 2643	FSL 2533 FWL
43-013-33500	Jonah Fed N-6-9-17	Sec 6 T09S R17E 2060 FSL 0598 FWL
	BHL Sec 6 T09S R17E 2642	FSL 1213 FWL

Page 2

We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

bcc: File – Jonah Unit  
Division of Oil Gas and Mining  
Central Files  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:1-24-07



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

January 30, 2007

Newfield Production Company  
Rt. #3, Box 3630  
Myton, UT 84052

Re: Jonah Federal M-6-9-17 Well, Surface Location 1987' FSL, 1906' FWL,  
NE SW, Sec. 6, T. 9 South, R. 17 East, Bottom Location 2643' FSL,  
2533' FWL, NE SW, Sec. 6, T. 9 South, R. 17 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33499.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office

Operator: Newfield Production Company  
Well Name & Number Jonah Federal M-6-9-17  
API Number: 43-013-33499  
Lease: UTU-020252A

Surface Location: NE SW Sec. 6 T. 9 South R. 17 East  
Bottom Location: NE SW Sec. 6 T. 9 South R. 17 East

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No.

UTU-020252A

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA Agreement, Name and No.

Jonah Unit

8. Lease Name and Well No.

Jonah Federal M-6-9-17

9. API Well No.

43-013-33499

10. Field and Pool, or Exploratory

Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area

Sec. 6, T9S R17E

12. County or Parish

Duchesne

13. State

UT

1a. Type of Work: ☒ DRILL

☐ REENTER

JAN 16 2007

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other

☒ Single Zone ☐ Multiple Zone

2. Name of Operator

Newfield Production Company

3a. Address

Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)

(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)

At surface NE/SW 1987' FSL 1906' FWL

At proposed prod. zone NE/SW 2643' FSL 2533' FWL

14. Distance in miles and direction from nearest town or post office\*

Approximatley 14.1 miles southeast of Myton, Utah

15. Distance from proposed\*

location to nearest

property or lease line, ft.

(Also to nearest drig. unit line, if any)

Approx. 2533' f/lse, 2637' f/unit

16. No. of Acres in lease

637.35

17. Spacing Unit dedicated to this well

20 Acres

18. Distance from proposed location\*

to nearest well, drilling, completed,

applied for, on this lease, ft.

Approx. 1302'

19. Proposed Depth

6200'

20. BLM/BIA Bond No. on file

UTB000192

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

5359' GL

22. Approximate date work will start\*

2nd Quarter 2007

23. Estimated duration

Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature

Mandie Crozier

Name (Printed/Typed)

Mandie Crozier

Date

1/9/07

Title

Regulatory Specialist

Approved by (Signature)

Jerry Kewick

Name (Printed/Typed)

Jerry Kewick

Date

8-6-2007

Title

Assistant Field Manager  
Lands & Mineral Resources

Office

VERNAL FIELD OFFICE

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED  
RECEIVED

AUG 13 2007

DIV. OF OIL, GAS & MINING

No NOS  
02PP1696A

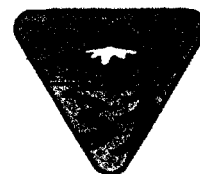


UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Company: Newfield Production Company  
Well No: Jonah Federal M-6-9-17  
API No: 43-013-33499

Location: NESW, Sec 6, T9S, R17E  
Lease No: UTU-020252A  
Agreement: Jonah Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	435-781-4490	435-828-4470
Petroleum Engineer:	Michael Lee	435-781-4432	435-828-7875
Petroleum Engineer:	James Ashley	435-781-4470	435-828-7874
Petroleum Engineer:	Ryan Angus	435-781-4430	435-828-7368
Supervisory Petroleum Technician:	Jamie Sparger	435-781-4502	435-828-3913
NRS/Enviro Scientist:	Paul Buhler	435-781-4475	435-828-4029
NRS/Enviro Scientist:	Karl Wright	435-781-4484	
NRS/Enviro Scientist:	Holly Villa	435-781-4404	
NRS/Enviro Scientist:	Chuck MacDonald	435-781-4441	
NRS/Enviro Scientist:	Jannice Cutler	435-781-3400	
NRS/Enviro Scientist:	Michael Cutler	435-781-3401	
NRS/Enviro Scientist:	Anna Figueroa	435-781-3407	
NRS/Enviro Scientist:	Verlyn Pindell	435-781-3402	
NRS/Enviro Scientist:	Darren Williams	435-781-4447	
NRS/Enviro Scientist:	Nathan Packer	435-781-3405	

Fax: 435-781-4410

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Location Construction (Notify NRS/Enviro Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify NRS/Enviro Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supervisory Petroleum Technician)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings
BOP & Related Equipment Tests (Notify Supervisory Petroleum Technician)	-	Twenty-Four (24) hours prior to initiating pressure tests
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days

***SURFACE USE PROGRAM***  
**CONDITIONS OF APPROVAL (COAs)**

**General Surface COAs**

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer AO. A report will be prepared by a BLM permitted paleontologist and submitted to the AO at the completion of surface disturbing activities.

**Specific Surface COAs**

**STIPULATIONS:**

- Adhere to Executive Order 5327 of April 15, 1930, stipulations for lands in oil shale withdrawal.
- Lands in this lease have been identified as containing Golden Eagle and Mountain Plover habitats. Modifications to the Surface Use Plan of Operations will be required in order to protect these wildlife species from surface disturbing activities in accordance with Section 6 of the lease term, Endangered Species Act, and 43 CFR 3101.1-2.
- Timing Limitations (during construction and drilling only):
  - **February 1 through July 15** – in order to minimize surface disturbing activities during Golden Eagle nesting season
  - **May 15 through June 15** – in order to protect Mountain Plover habitat

**CONDITIONS OF APPROVAL:**

- This well is being approved in accordance with Washington Instruction Memorandum 2005-247 and Section 390 (Category 3) of the Energy Policy Act which establishes statutory categorical exclusions (CX) under the National Environmental Policy Act (NEPA). Category 3 states that an oil or gas well can be drilled within a developed field for which an approved land use plan or any environmental document prepared pursuant to NEPA analyzed drilling as a reasonably foreseeable activity, so long as such plan or document was approved within five (5) years prior to the date of spudding the well. This well is covered under the *Final Environmental Impact Statement and Record of Decision Castle Peak and Eightmile Flat Oil and Gas Exploration Project Newfield Rocky Mountains Inc.*, signed August 24, 2005. If the well has not been spudded by August 24, 2010, a new environmental document will have to be prepared prior to the approval of the APD.
- All applicable local, state, and/or federal laws, regulations, and/or statutes will be complied with.
- All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of three inches deep in a straight line travel path, the soil shall be deemed too wet to adequately support construction equipment.

- The access road will be crowned and ditched. Flat-bladed roads are not allowed.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
- Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- Pipelines will be buried at all major drainage crossings.
- Prevent fill and stock piles from entering drainages.
- The reserve pit will be lined with a 12 ml or greater liner and felt prior to spudding.
- The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.
- When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.
- If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.
- The following seed mix (PLS formula) will be used for interim reclamation:

Shadscale ( <i>Atriplex confertifolia</i> ):	6 lbs/acre
Galleta Grass ( <i>Hilaria jamesii</i> )	6 lbs/acre
▪ Rates are set for drill seeding; double the rate if broadcasting.	
▪ Reseeding may be required if initial seeding is not successful.	
- The operator will be responsible for treatment and control of invasive and noxious weeds. Prior to any treatment on BLM administered lands, a Pesticide Use Proposal will be submitted to the Vernal Field Office for approval.
- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be recontoured to natural topography, topsoil shall be respread, and the entire location shall be seeded with a seed mix recommended by the AO (preferably of native origin). Seed application will follow all guidelines in the interim seed mix bullet statement above. If reclamation seeding shall take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.

- The authorized officer may prohibit surface disturbing activities during severe winter conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
- All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.
- Notify the Authorized Officer 48 hours prior to surface disturbing activities.

## **DOWNHOLE CONDITIONS OF APPROVAL**

### **SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL**

- None

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

### **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment BOPE shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources such as Gilsonite, tar sands, oil shale, trona, etc. to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth from KB or GL of encounter, vertical footage of the encounter and, the name of the person making the report along with a telephone number should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log CBL will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" Oil and Gas Operations Report OGOR starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 303 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location  $\frac{1}{4}$ , Sec., Twn, Rng, and P.M..
  - Date well was placed in a producing status date of first production for which royalty will be paid.
  - The nature of the well's production, i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons.
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees NTL 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events fires, accidents, blowouts, spills, discharges as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" BLM Form 3160-4 shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed

on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples cuttings, fluid, and/or gas shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" Form BLM 3160-5 must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

## DIVISION OF OIL, GAS AND MINING

### **SPUDDING INFORMATION**

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: JONAH FED M-6-9-17

Api No: 43-013-33499 Lease Type: FEDERAL

Section 06 Township 09S Range 17E County DUCHESNE

Drilling Contractor NDSI RIG # NS#1

### **SPUDDED:**

Date 09/08/07

Time 10:00 AM

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by BRANDON HALL

Telephone # (435) 828-6110

Date 09/10/07 Signed CHD

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY  
ADDRESS: RT. 3 BOX 3630  
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RS	COUNTY		
B	99999	11492	4301333493	JONAH FED G-6-9-17	NWNW	6	9S	17E	DUCHESNE	9/7/2007	9/25/07
WELL 1 COMMENTS: GRV BHL = NWNW											
B	99999	11492	4301333499	JONAH FED M-6-9-17	NESW	6	9S	17E	DUCHESNE	9/8/2007	9/25/07
WELL 2 COMMENTS: GRV BHL = NESW											
B	99999	11492	4301333495	JONAH FED I-6-9-17	SWNE	6	9S	17E	DUCHESNE	9/10/2007	9/25/07
WELL 3 COMMENTS: GRV BHL = SWNE											
A	99999	16364	4301333064	FEDERAL 3-19-9-16	NENW	19	9S	16E	DUCHESNE	9/12/2007	9/25/07
WELL 4 COMMENTS: GRV											
WELL 5 COMMENTS:											
WELL 6 COMMENTS:											

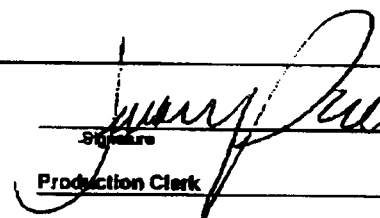
ACTION CODES (See instructions on back of form)

- A - new entity for new well (single well only)
- B - well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - other (explain in comments section)

NOTE: Use COMMENTS section to explain why each Action Code was selected.

RECEIVED  
SEP 13 2007

DIV. OF OIL, GAS & MINING

Signature:   
Jantti Park  
Production Clerk  
09/13/07  
Date

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.  
USA UTU-020252-A

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
JONAH UNIT

8. Well Name and No.  
JONAH FEDERAL M-6-9-17

9. API Well No.  
4301333499

10. Field and Pool, or Exploratory Area  
MONUMENT BUTTE

11. County or Parish, State  
DUCHESNE, UT

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include are code)  
435 646 3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1987 FSL 1906 FWL  
NESW Section 6 T9S R17E


12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 9/8/2007 MIRU NDSI NS # 1.Spud well @ 10:00 AM. Drill 320' of 12 1/4" hole with air mist. TIH W/7 Jt's 8 5/8" J-55 24 # csgn. Set @ 324.27' / KB On 9/12/2007 cement with 160 sks of class "G" w/ 2% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 7 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct (Printed/ Typed)  
Troy Zufelt

Signature 

Title  
Drilling Supervisor

Date  
09/12/2007

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office \_\_\_\_\_

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(Instructions on reverse)

RECEIVED  
SEP 17 2007  
DIV. OF OIL, GAS & MINING

8 5/8 CASING SET AT 324.27

LAST CASING 8 5/8" Set @ 324.27  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 320' LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company  
 WELL Jonah Federal M-6-9-17  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # NDSI NS#1

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Shoe Joint 44.78'					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	312.42
		<b>GUIDE</b> shoe			8rd	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			314.27
TOTAL LENGTH OF STRING		314.27	7	LESS CUT OFF PIECE			2
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			<b>324.27</b>
TOTAL		312.42	7	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		312.42	7				
TIMING		1ST STAGE					
BEGIN RUN CSG.		Spud	9/8/2007	10:00 AM	GOOD CIRC THRU JOB		
CSG. IN HOLE			9/8/2007	2:45 PM	Bbls CMT CIRC TO SURFACE		
BEGIN CIRC			9/12/2007	11:42 AM	RECIPROCATED PIPE FOR		
BEGIN PUMP CMT			9/12/2007	1:02 PM	THRU		
BEGIN DSPL. CMT			9/12/2007	1:16 PM	N/A		
PLUG DOWN			9/12/2007	1:22 PM	BUMPED PLUG TO		
					104		
					PSI		

CEMENT USED		CEMENT COMPANY- B. J.	
STAGE	# SX	CEMENT TYPE & ADDITIVES	
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield	
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING	
Centralizers - Middle first, top second & third for 3			

COMPANY REPRESENTATIVE Troy Zufelt DATE 9/12/2007

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

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JONAH FEDERAL M-6-9-17

9. API Well No.  
4301333499

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MONUMENT BUTTE

11. County or Parish, State  
DUCHESNE, UT

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

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3b. Phone (include area code)  
435.646.3721

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1987 FSL 1906 FWL  
NESW Section 6 T9S R17E

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<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report _____
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 9/25/07 MIRU NDSI Rig # 2. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 279'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6,190'. Lay down drill string & BHA. PU & TIH with Guide shoe, shoe jt, float collar, 160 jt's of 5.5 J-55, 15.5# csgn. Set @ 6200.91' / KB. Cement with 325 sks cement mixed @ 11.0 ppg & 3.43 yld. Then 400 sks cement mixed @ 14.4 ppg & 1.24 yld. With 46 bbls cement returned to pit. Nipple down Bop's. Drop slips Release rig 5:30 AM 10/8/07.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Alvin Nielsen  
Signature

Title

Drilling Foreman

Date

10/08/2007

Approved by \_\_\_\_\_

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED

OCT 11 2007

DIV. OF OIL, GAS & MIN.

**5 1/2" CASING SET AT 6200.91**

LAST CASING 8 5/8" Set @ 316.7  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING 12'  
 DATUM TO BRADENHEAD FLANGE  
 TD DRILLER 6190' TD loggers  
 HOLE SIZE 7 7/8"

Flt cllr @ 6161.01  
 OPERATOR **Newfield Production Company**  
 WELL **Jonah Federal M-6-9-17**  
 FIELD/PROSPECT **Monument Butte**  
 CONTRACTOR & RIG # **NDSI Rig # 2**

**LOG OF CASING STRING:**

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH	
		Landing Jt					14	
		Short jt    6.60' @ 4135.56"						
160	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	6149.01	
							0.6	
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	38.65	
		GUIDE shoe			8rd	A	0.65	
CASING INVENTORY BAL.			FEET	JTS	TOTAL LENGTH OF STRING LESS CUT OFF PIECE PLUS DATUM TO T/CUT OFF CSG CASING SET DEPTH  } COMPARE			6202.91
TOTAL LENGTH OF STRING			6202.91	161				14
LESS NON CSG. ITEMS			15.25					12
PLUS FULL JTS. LEFT OUT			348.55	9				6200.91
TOTAL			6536.21	170				
TOTAL CSG. DEL. (W/O THRDS)			6536.2	170				
TIMING			1ST STAGE	2nd STAGE				
BEGIN RUN CSG.			10/7/2007	6:00 AM	GOOD CIRC THRU JOB			

COMPANY REPRESENTATIVE Alvin Nielsen DATE 10/8/2007

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

5. Lease Serial No.  
USA UTU-020252-A  
6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
JONAH UNIT

8. Well Name and No.  
JONAH FEDERAL M-6-9-17

9. API Well No.  
4301333499

10. Field and Pool, or Exploratory Area  
MONUMENT BUTTE

11. County or Parish, State  
DUCHESNE, UT

SUBMIT IN TRIPPLICATE - Other instructions on reverse side

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1987 FSL 1906 FWL  
NESW Section 6 T9S R17E

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input checked="" type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomple in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

I hereby certify that the foregoing is true and  
correct (Printed/ Typed)

Mandie Crozier

Signature

Title

Regulatory Specialist

Date

11/19/2007

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or  
certify that the applicant holds legal or equitable title to those rights in the subject lease  
which would entitle the applicant to conduct operations thereon.

Title

Date

Office

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States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED

NOV 21 2007

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
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FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

5. Lease Serial No.  
USA UTU-020252-A  
6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
JONAH UNIT

8. Well Name and No.  
JONAH FEDERAL M-6-9-17

9. API Well No.  
4301333499

10. Field and Pool, or Exploratory Area  
MONUMENT BUTTE

11. County or Parish, State  
DUCHESNE, UT

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include area code)  
435.646.3721

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1987 FSL 1906 FWL  
NESW Section 6 T9S R17E

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TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input checked="" type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> Water Disposal	

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Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

I hereby certify that the foregoing is true and  
correct (Printed/ Typed)

Mandie Crozier

Signature

Title

Regulatory Specialist

Date

11/19/2007

Approved by

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Date

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States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED

NOV 21 2007

DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-020252-A
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: JONAH UNIT
PHONE NUMBER 435.646.3721		8. WELL NAME and NUMBER: JONAH FEDERAL M-6-9-17
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 1987 FSL 1906 FWL		9. API NUMBER: 4301333499
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NESW, 6, T9S, R17E		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 11/14/2007	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 11/14/07, attached is a daily completion status report.

RECEIVED

DEC 19 2007

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Tammi Lee

TITLE Production Clerk

SIGNATURE

*Tammi Lee*

DATE 12/17/2007



37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Jonah Federal M-6-9-17	Garden Gulch Mkr	3816'	
				Garden Gulch 1	4018'	
				Garden Gulch 2	4140'	
				Point 3 Mkr	4408'	
				X Mkr	4665'	
				Y-Mkr	4700'	
				Douglas Creek Mkr	4832'	
				BiCarbonate Mkr	5092'	
				B Limestone Mkr	5226'	
				Castle Peak	5720'	
				Basal Carbonate	0'	
Total Depth (LOGGERS)	6106'					

# Newfield Exploration Co.

Duchesne County, UT

Jonah Unit M-6-9-17

Survey: Survey #1

## Standard Survey Report

, 29 October, 2007

### Scientific Drilling

#### Survey Report

Company:	Newfield Exploration Co.	Local Co-ordinate Reference:	Well Jonah Unit M-6-9-17
Project:	Duchesne County, UT	TVD Reference:	GL 5359' & RKB 12' @ 5371.00ft
Site:	Jonah Unit M-6-9-17	MD Reference:	GL 5359' & RKB 12' @ 5371.00ft
Well:	Jonah Unit M-6-9-17	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 2003.16 Multi-User Db

Project Duchesne County, UT

Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site Jonah Unit M-6-9-17, Sec 6 T9S R17E

Site Position:		Northing:	7,193,171.59 ft	Latitude:	
From:	Lat/Long	Easting:	2,045,820.92 ft	Longitude:	
Position Uncertainty:	0.00 ft	Slot Radius:	in	Grid Convergence:	0.93

Well Jonah Unit M-6-9-17, 1987' FSL, 1906' FWL

Well Position	+N/-S	0.00 ft	Northing:	7,193,171.59 ft	Latitude:	40° 3'
	+E/-W	0.00 ft	Easting:	2,045,820.92 ft	Longitude:	110° 3'
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,359.00

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Streng (nT)
	IGRF2005-10	2007-09-24	11.78	65.91	

Design OH

Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00

Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
-------------------	------------------	-------	-------	-----------

**Survey Program**

**Date** 2007-10-11

**From**  
**(ft)**

**To**  
**(ft)**

**Survey (Wellbore)**

**Tool Name**

**Description**

396.00

6,190.01

Survey #1 (OH)

MWD

MWD - Standard

40° 3' 29.040 N  
110° 3' 5.610 W

' 29.040 N  
3' 5.610 W  
ft

th

52,670

# NEWFIELD



Well Name: Jonah M-6-9-17  
 LOCATION: S6, T9S, R17E  
 COUNTY/STATE: Duchesne  
 API: 43-013-33499

Spud Date: 9-8-07  
 TD: 6190' 10/4/07  
 CSG: 10-7-07  
 POP: 11-14-07

DATE	HRS	Oil (bbls)	Water (bbls)	Recovered Water (bbls)	Gas (mcf)	Casing Pressure (psi)	SPM	Comments
11/14/2007				60				waiting for final report
11/15/2007				60				Flowing
11/16/2007				60				Flowing
11/17/2007	17			-555		0	5	POP @ 2 P.M. w/ 120" SL @ 5 SPM. -555 Total water.
11/18/2007	24			-555		50	5	
11/19/2007	24			-555		60	5	
11/20/2007	24			-555		77	5	
11/21/2007	24	13	255	-810		50	5	
11/22/2007	24			-810		150	5	No power to meters
11/23/2007	24			-810		85	5	No power to meters
11/24/2007	24			-810		90	5	No power to meters
11/25/2007	24			-810		80	5	
11/26/2007	24			-810		80	5	
11/27/2007	24	0	0	-810		53	5	
11/28/2007	24			-810		55	5	
11/29/2007	24	0	0	-810		50	5	Meter not reading to cold.
11/30/2007	24	0	0	-810		48	5	
12/1/2007	24	0	0	-810		51	5	
12/2/2007	24	0	0	-810		51	5	
12/3/2007	24	0	0	-810		51	5	
12/4/2007	24	0	0	-810		39	5	
12/5/2007	24	0	0	-810		41	5	
12/6/2007	24	0	0	-810		53	5	
12/7/2007	24	0	0	-810		41	5	
12/8/2007	24	0	0	-810		49	5	Meter not reading to cold.
12/9/2007	24	0	0	-810		45	5	Meter not reading to cold.
12/10/2007	24	0	0	-810		47	5	Meter not reading to cold.
12/11/2007	24	0	0	-810		71	5	Replacing equipment
12/12/2007	24	0	0	-810		37	5	Replacing equipment
12/13/2007	24	0	0	-810		48	5	
12/14/2007	24	0	0	-810		36	5	
12/15/2007	24	0	0	-810		37	5	FINAL
		13	255		0			



**Scientific  
Drilling**

## Directional Survey Certification

7327 West Barton Road  
Casper, WY 82604  
(307)-472-6621 Fax (307) 472-5439

RE: <u>Newfield Exploration Co.</u>	<b>Operator</b>
<u>Jonah Unit M-6-9-17</u>	<b>Well Name &amp; No.</b>
<u>Duchesne County, UT</u>	<b>County &amp; State</b>
<u>42DEF0709770</u>	<b>SDI Job No.</b>

I, Julie Cruse, having personal knowledge of all the facts, hereby  
certify that the attached directional survey run from a measured depth of 396 feet to a  
measured depth of 6190 feet is true and correct as determined from all available records.

Julie Cruse

Signature

Rockies Region Engineer

Title

Scientific Drilling International

Company

State of : Wyoming }

}

ss

County of : Natrona }

On this 30<sup>th</sup> day of October, 2007, before me personally appeared  
Julie Cruse to me known as the person described in and who executed the foregoing  
instrument and acknowledged that (s)he executed the same as his/her free act and deed.

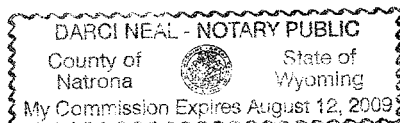
Seal

Darci Neal

Notary Public

Aug 12, 2009

My Commission Expires

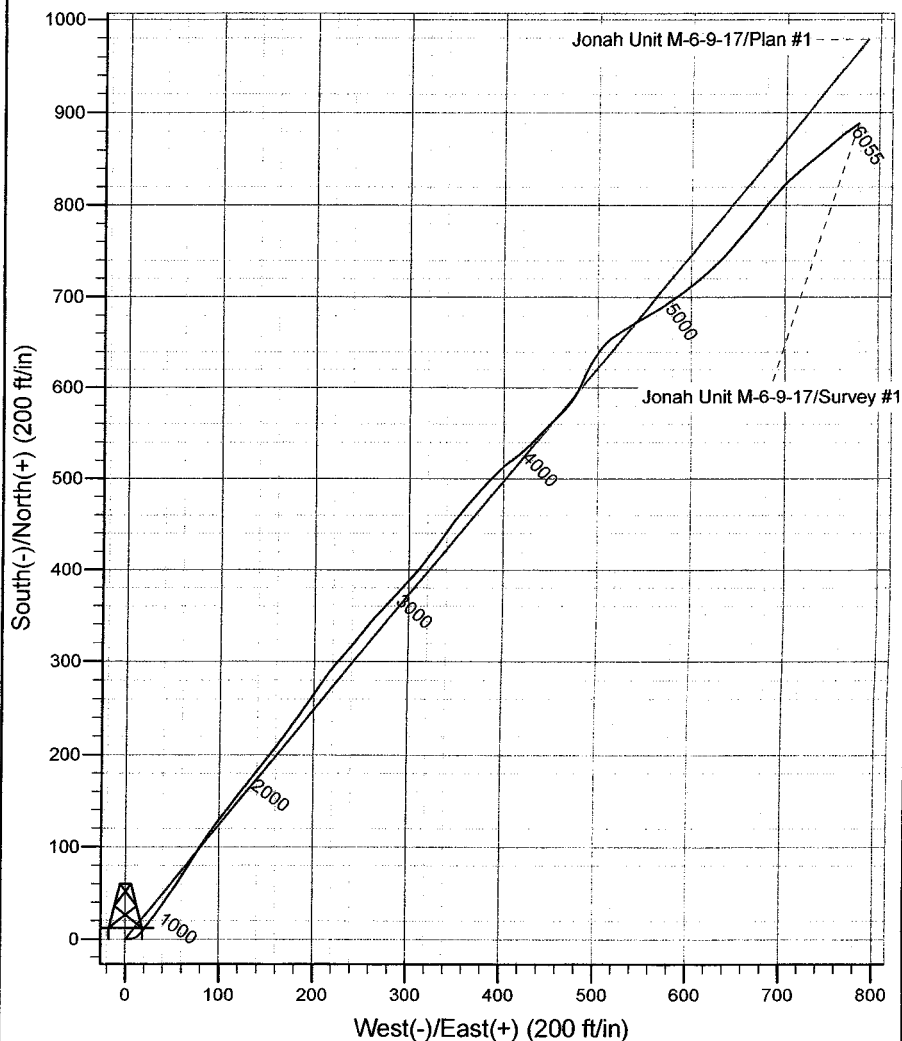
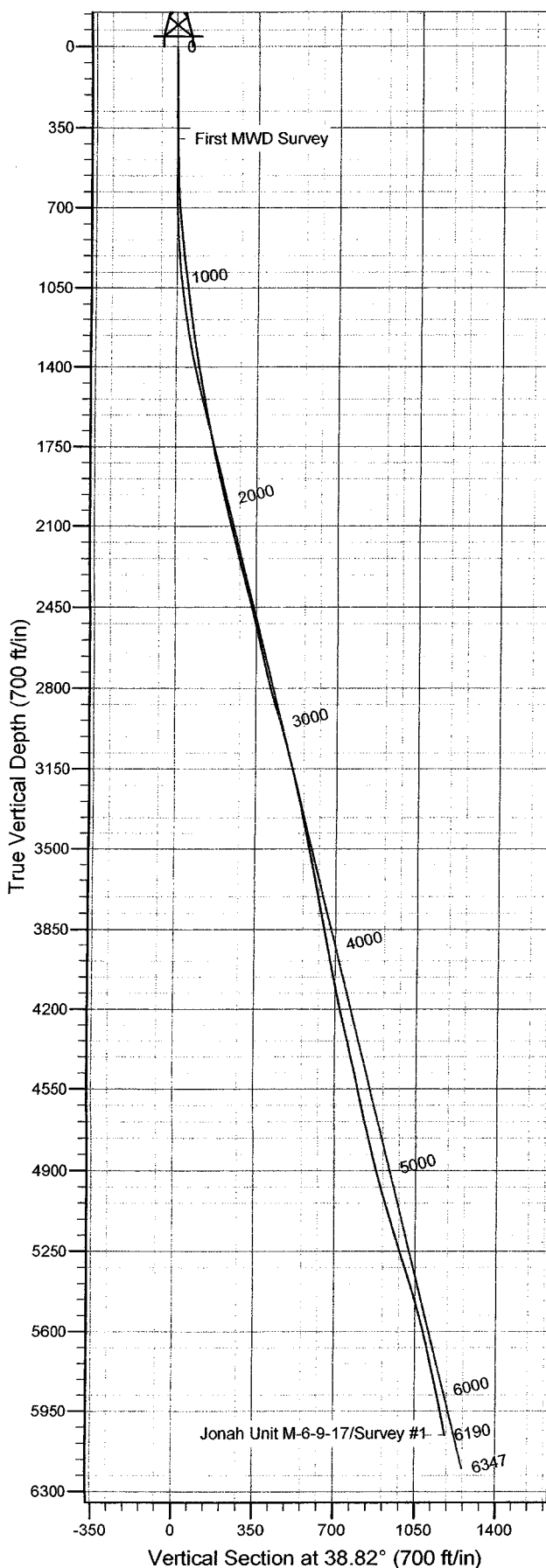




**Scientific Drilling**  
Rocky Mountain Operations

Project: Duchesne County, UT  
Site: Jonah Unit M-6-9-17  
Well: Jonah Unit M-6-9-17  
Wellbore: OH  
Design: OH

**Newfield Exploration Co.**



#### WELL DETAILS: Jonah Unit M-6-9-17

Ground Level: GL 5359' & RKB 12' @ 5371.00ft	
+N/-S	+E/-W
0.00	0.00
7193171.59	2045820.92
Latitude	Longitude
40° 3' 29.040 N	110° 3' 5.610 W

#### REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Jonah Unit M-6-9-17, True North  
Vertical (TVD) Reference: GL 5359' & RKB 12' @ 5371.00ft  
Section (VS) Reference: Slot - (0.00N, 0.00E)  
Measured Depth Reference: GL 5359' & RKB 12' @ 5371.00ft  
Calculation Method: Minimum Curvature  
Local North: True  
Location: Sec 6 T9S R17E

#### PROJECT DETAILS: Duchesne County, UT

Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: Utah Central Zone

Survey: Survey #1 (Jonah Unit M-6-9-17/OH)

Created By: Julie Cruse Date: 2007-10-11

# **Newfield Exploration Co.**

Duchesne County, UT

Jonah Unit M-6-9-17

Jonah Unit M-6-9-17

OH

Survey: Survey #1

## **Standard Survey Report**

11 October, 2007

# Scientific Drilling

## Survey Report

<b>Company:</b>	Newfield Exploration Co.	<b>Local Co-ordinate Reference:</b>	Well Jonah Unit M-6-9-17
<b>Project:</b>	Duchesne County, UT	<b>TVD Reference:</b>	GL 5359' & RKB 12' @ 5371.00ft
<b>Site:</b>	Jonah Unit M-6-9-17	<b>MD Reference:</b>	GL 5359' & RKB 12' @ 5371.00ft
<b>Well:</b>	Jonah Unit M-6-9-17	<b>North Reference:</b>	True
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	OH	<b>Database:</b>	EDM 2003.16 Single User Db

<b>Project</b>	Duchesne County, UT		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		

<b>Site</b>	Jonah Unit M-6-9-17, Sec 6 T9S R17E		
<b>Site Position:</b>		<b>Northing:</b>	7,193,171.59 ft
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,045,820.92 ft
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	in
		<b>Latitude:</b>	40° 3' 29.040 N
		<b>Longitude:</b>	110° 3' 5.610 W
		<b>Grid Convergence:</b>	0.93 °

<b>Well</b>	Jonah Unit M-6-9-17, 1987' FSL, 1906' FVL		
<b>Well Position</b>	<b>+N/-S</b>	0.00 ft	<b>Northing:</b> 7,193,171.59 ft
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b> 2,045,820.92 ft
<b>Position Uncertainty</b>	0.00 ft	<b>Wellhead Elevation:</b>	ft
		<b>Latitude:</b>	40° 3' 29.040 N
		<b>Longitude:</b>	110° 3' 5.610 W
		<b>Ground Level:</b>	5,359.00 ft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination</b>	<b>Dip Angle</b>	<b>Field Strength</b>
			(°)	(°)	(nT)
	IGRF2005-10	2007-09-24	11.78	65.91	52,670

<b>Design</b>	OH				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Direction</b>	
	(ft)	(ft)	(ft)	(°)	
	0.00	0.00	0.00	38.82	

<b>Survey Program</b>	<b>Date</b> 2007-10-11				
<b>From</b>	<b>To</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
(ft)	(ft)				
396.00	6,190.01	Survey #1 (OH)	MWD	MWD - Standard	

<b>Survey</b>										
<b>Measured</b>	<b>Inclination</b>	<b>Azimuth</b>	<b>Vertical</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Vertical</b>	<b>Dogleg</b>	<b>Build</b>	<b>Turn</b>	
<b>Depth</b>	<b>(°)</b>	<b>(°)</b>	<b>Depth</b>	<b>(ft)</b>	<b>(ft)</b>	<b>Section</b>	<b>Rate</b>	<b>Rate</b>	<b>Rate</b>	
<b>(ft)</b>			<b>(ft)</b>			<b>(ft)</b>	<b>(°/100ft)</b>	<b>(°/100ft)</b>	<b>(°/100ft)</b>	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
396.00	1.40	84.23	395.96	0.49	4.81	3.40	0.35	0.35	0.00	
427.00	1.44	81.13	426.95	0.58	5.57	3.95	0.28	0.13	-10.00	
457.00	1.67	91.94	456.94	0.63	6.38	4.49	1.24	0.77	36.03	
488.00	1.52	91.32	487.93	0.60	7.25	5.01	0.49	-0.48	-2.00	
519.00	1.50	85.40	518.92	0.63	8.06	5.54	0.51	-0.06	-19.10	
550.00	2.21	70.53	549.90	0.86	9.03	6.33	2.75	2.29	-47.97	
580.00	2.48	61.24	579.88	1.36	10.14	7.42	1.55	0.90	-30.97	
611.00	2.88	61.71	610.84	2.05	11.42	8.76	1.29	1.29	1.52	
642.00	3.35	53.76	641.80	2.96	12.83	10.35	2.06	1.52	-25.65	
673.00	3.99	47.37	672.73	4.23	14.36	12.29	2.45	2.06	-20.61	
703.00	4.56	41.56	702.65	5.82	15.92	14.52	2.38	1.90	-19.37	
734.00	4.75	37.05	733.55	7.77	17.51	17.03	1.33	0.61	-14.55	

# Scientific Drilling

## Survey Report

Company: Newfield Exploration Co.  
Project: Duchesne County, UT  
Site: Jonah Unit M-6-9-17  
Well: Jonah Unit M-6-9-17  
Wellbore: OH  
Design: OH

Local Co-ordinate Reference: Well Jonah Unit M-6-9-17  
TVD Reference: GL 5359' & RKB 12' @ 5371.00ft  
MD Reference: GL 5359' & RKB 12' @ 5371.00ft  
North Reference: True  
Survey Calculation Method: Minimum Curvature  
Database: EDM 2003.16 Single User Db

### Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
765.00	5.15	37.32	764.43	9.90	19.13	19.70	1.29	1.29	0.87
796.00	5.52	37.83	795.30	12.19	20.88	22.59	1.20	1.19	1.65
826.00	5.65	37.03	825.16	14.50	22.66	25.50	0.51	0.43	-2.67
857.00	6.19	36.61	855.99	17.06	24.57	28.70	1.75	1.74	-1.35
888.00	6.35	36.30	886.81	19.79	26.59	32.08	0.53	0.52	-1.00
918.00	6.50	38.36	916.62	22.46	28.62	35.44	0.92	0.50	6.87
949.00	6.56	37.26	947.42	25.24	30.78	38.96	0.45	0.19	-3.55
981.00	7.15	34.54	979.19	28.34	33.02	42.78	2.10	1.84	-8.50
1,012.00	7.20	34.97	1,009.94	31.52	35.23	46.64	0.24	0.16	1.39
1,043.00	7.22	34.31	1,040.70	34.72	37.44	50.52	0.27	0.06	-2.13
1,073.00	7.28	34.13	1,070.46	37.85	39.57	54.29	0.21	0.20	-0.60
1,105.00	7.28	33.68	1,102.20	41.21	41.83	58.33	0.18	0.00	-1.41
1,136.00	7.52	34.31	1,132.94	44.52	44.06	62.31	0.82	0.77	2.03
1,167.00	8.05	34.26	1,163.66	47.99	46.43	66.50	1.71	1.71	-0.16
1,199.00	7.85	35.69	1,195.35	51.62	48.96	70.91	0.88	-0.62	4.47
1,230.00	8.31	33.49	1,226.04	55.21	51.43	75.26	1.79	1.48	-7.10
1,261.00	8.26	33.13	1,256.72	58.94	53.89	79.70	0.23	-0.16	-1.16
1,291.00	8.85	32.32	1,286.39	62.70	56.30	84.14	2.01	1.97	-2.70
1,322.00	9.13	32.47	1,317.00	66.79	58.89	88.95	0.91	0.90	0.48
1,353.00	9.19	32.80	1,347.61	70.94	61.55	93.86	0.26	0.19	1.06
1,385.00	9.31	32.25	1,379.19	75.28	64.32	98.97	0.47	0.37	-1.72
1,417.00	9.29	31.69	1,410.77	79.67	67.06	104.11	0.29	-0.06	-1.75
1,449.00	9.89	31.50	1,442.33	84.21	69.85	109.40	1.88	1.87	-0.59
1,480.00	9.86	32.06	1,472.87	88.73	72.65	114.67	0.32	-0.10	1.81
1,511.00	10.13	31.64	1,503.40	93.30	75.49	120.01	0.90	0.87	-1.35
1,542.00	10.33	31.40	1,533.90	97.99	78.37	125.47	0.66	0.65	-0.77
1,574.00	10.48	32.00	1,565.38	102.91	81.41	131.21	0.58	0.47	1.87
1,606.00	10.45	33.28	1,596.84	107.80	84.54	136.99	0.73	-0.09	4.00
1,637.00	10.54	34.67	1,627.33	112.48	87.70	142.61	0.87	0.29	4.48
1,667.00	10.48	35.23	1,656.82	116.97	90.83	148.07	0.39	-0.20	1.87
1,698.00	10.67	35.29	1,687.30	121.62	94.11	153.75	0.61	0.61	0.19
1,729.00	10.94	35.38	1,717.75	126.36	97.48	159.55	0.87	0.87	0.29
1,760.00	11.29	36.35	1,748.17	131.20	100.98	165.52	1.28	1.13	3.13
1,792.00	11.62	37.47	1,779.53	136.28	104.79	171.87	1.24	1.03	3.50
1,823.00	11.64	37.06	1,809.89	141.25	108.58	178.12	0.27	0.06	-1.32
1,853.00	11.95	36.96	1,839.26	146.15	112.27	184.25	1.04	1.03	-0.33
1,884.00	12.39	36.86	1,869.56	151.37	116.19	190.78	1.42	1.42	-0.32
1,916.00	12.69	37.71	1,900.80	156.90	120.40	197.72	1.10	0.94	2.66
1,947.00	13.01	36.78	1,931.02	162.39	124.58	204.62	1.23	1.03	-3.00
1,978.00	12.64	36.66	1,961.25	167.91	128.69	211.49	1.20	-1.19	-0.39
2,010.00	12.59	36.54	1,992.48	173.52	132.86	218.48	0.18	-0.16	-0.37
2,104.00	14.04	38.28	2,083.95	190.70	146.02	240.12	1.60	1.54	1.85
2,199.00	14.22	36.62	2,176.07	209.11	160.12	263.30	0.47	0.19	-1.75
2,292.00	14.23	36.01	2,266.22	227.52	173.65	286.13	0.16	0.01	-0.66
2,384.00	13.59	34.66	2,355.52	245.56	186.45	308.20	0.78	-0.70	-1.47
2,476.00	14.11	33.34	2,444.85	263.82	198.76	330.15	0.66	0.57	-1.43
2,570.01	13.42	35.64	2,536.15	282.26	211.41	352.44	0.94	-0.73	2.45
2,664.01	12.46	39.65	2,627.76	298.93	224.24	373.48	1.40	-1.02	4.27
2,757.01	13.20	40.53	2,718.44	314.73	237.54	394.12	0.82	0.80	0.95
2,851.01	15.10	37.53	2,809.59	332.60	251.98	417.09	2.17	2.02	-3.19
2,944.01	17.07	41.61	2,898.95	352.41	268.42	442.84	2.44	2.12	4.39
3,037.01	15.66	41.84	2,988.18	371.97	285.86	469.01	1.52	-1.52	0.25
3,131.01	14.68	40.56	3,078.90	390.47	302.07	493.58	1.10	-1.04	-1.36
3,222.01	12.66	37.16	3,167.32	407.18	315.59	515.08	2.39	-2.22	-3.74

# Scientific Drilling

## Survey Report

Company: Newfield Exploration Co.  
Project: Duchesne County, UT  
Site: Jonah Unit M-6-9-17  
Well: Jonah Unit M-6-9-17  
Wellbore: OH  
Design: OH

Local Co-ordinate Reference: Well Jonah Unit M-6-9-17  
TVD Reference: GL 5359' & RKB 12' @ 5371.00ft  
MD Reference: GL 5359' & RKB 12' @ 5371.00ft  
North Reference: True  
Survey Calculation Method: Minimum Curvature  
Database: EDM 2003.16 Single User Db

### Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,314.01	12.71	35.73	3,257.07	423.43	327.59	535.26	0.35	0.05	-1.55
3,408.01	11.29	33.33	3,349.02	439.51	338.69	554.75	1.60	-1.51	-2.55
3,498.01	11.85	36.76	3,437.19	454.28	349.06	572.75	0.99	0.62	3.81
3,591.01	11.15	38.88	3,528.32	468.93	360.42	591.29	0.88	-0.75	2.28
3,685.01	11.23	41.83	3,620.54	482.82	372.23	609.52	0.61	0.09	3.14
3,788.01	10.82	39.99	3,721.64	497.71	385.13	629.20	0.52	-0.40	-1.79
3,881.01	10.43	47.06	3,813.05	510.13	396.90	646.26	1.46	-0.42	7.60
3,974.01	10.50	52.84	3,904.50	520.98	409.82	662.81	1.13	0.08	6.22
4,064.01	11.04	47.53	3,992.92	531.75	422.71	679.29	1.25	0.60	-5.90
4,157.01	11.73	41.98	4,084.09	544.79	435.60	697.53	1.39	0.74	-5.97
4,251.01	12.16	44.62	4,176.06	558.94	448.95	716.92	0.74	0.46	2.81
4,345.01	12.42	44.09	4,267.90	573.25	462.93	736.83	0.30	0.28	-0.56
4,439.01	12.61	31.67	4,359.68	589.25	475.36	757.08	2.86	0.20	-13.21
4,535.01	13.92	21.78	4,453.13	608.89	485.15	778.53	2.72	1.36	-10.30
4,629.01	11.50	29.38	4,544.83	627.56	493.94	798.58	3.12	-2.57	8.09
4,723.01	11.43	35.83	4,636.96	643.28	503.99	817.13	1.37	-0.07	6.86
4,817.01	14.63	55.09	4,728.57	657.63	519.19	837.84	5.69	3.40	20.49
4,910.01	13.66	58.32	4,818.75	670.12	538.17	859.47	1.34	-1.04	3.47
5,003.01	15.64	58.98	4,908.72	682.35	558.26	881.59	2.14	2.13	0.71
5,098.01	17.07	55.94	4,999.88	696.76	580.78	906.94	1.75	1.51	-3.20
5,191.01	16.91	50.56	5,088.82	713.00	602.54	933.23	1.70	-0.17	-5.78
5,286.01	16.79	45.35	5,179.75	731.42	622.97	960.39	1.59	-0.13	-5.48
5,380.01	17.56	41.57	5,269.56	751.57	642.04	988.04	1.44	0.82	-4.02
5,475.01	17.45	39.43	5,360.16	773.30	660.60	1,016.60	0.69	-0.12	-2.25
5,568.01	16.50	36.92	5,449.11	794.63	677.39	1,043.74	1.29	-1.02	-2.70
5,662.01	15.17	40.03	5,539.55	814.72	693.32	1,069.38	1.68	-1.41	3.31
5,756.01	13.21	47.02	5,630.68	831.46	709.09	1,092.31	2.77	-2.09	7.44
5,849.01	12.29	49.97	5,721.39	845.07	724.44	1,112.54	1.21	-0.99	3.17
5,943.01	12.39	50.56	5,813.21	857.91	739.89	1,132.23	0.17	0.11	0.63
6,037.01	12.28	49.73	5,905.05	870.78	755.30	1,151.92	0.22	-0.12	-0.88
6,128.01	10.73	54.65	5,994.22	881.94	769.60	1,169.58	2.01	-1.70	5.41
6,140.01	10.57	56.22	6,006.01	883.20	771.43	1,171.70	2.76	-1.33	13.08
6,190.01	10.57	56.22	6,055.16	888.29	779.05	1,180.45	0.00	0.00	0.00

### Targets

#### Target Name

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- Shape									
M-6-9-17 Target	0.00	0.00	5,200.00	788.00	634.00	7,193,969.75	2,046,442.08	40° 3' 36.828 N	110° 2' 57.455 W
- survey misses by 51.20ft at 5319.72ft MD (5212.01 TVD, 738.40 N, 629.87 E)									
- Circle (radius 75.00)									

### Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
396.00	395.96	0.49	4.81	First MWD Survey
6,190.00	6,055.15	888.29	779.05	Projection to TD

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-020252A			
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>			
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)			
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> JONAH FED M-6-9-17			
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1987 FSL 1906 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW Section: 06 Township: 09.0S Range: 17.0E Meridian: S		<b>9. API NUMBER:</b> 43013334990000			
<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE		<b>COUNTY:</b> DUCHESNE			
<b>STATE:</b> UTAH					
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>					
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>				
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 3/31/2015  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input checked="" type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION            OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input checked="" type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input checked="" type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>			
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> It has been deemed uneconomic at current oil prices to produce the above mentioned well. The Well will remain SI until oil prices increase to a level providing economic payout of a workover.					
<b>REQUEST DENIED</b> <b>April 01, 2015</b> <b>Oil, Gas and Mining</b>  <b>Date:</b> _____ <b>By:</b> <u>Derek Quist</u>					
<b>NAME (PLEASE PRINT)</b> Mandie Crozier		<b>PHONE NUMBER</b> 435 646-4825			
<b>SIGNATURE</b> N/A		<b>TITLE</b> Regulatory Tech			
<b>DATE</b> 3/31/2015					